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ABSTRACT

This book is an extensive description of the fall 1975 freshman students at 1,128 institutions participating in the ACT Assessment Program. It provides norms for academic abilities by geographic region, college type and control, student age, racial-ethnic background, curricular major, and family income. It also provides norms for nonacademic characteristics by college type and control. (Author/RC)

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THE AMERICAN COLLEGE TESTING PROGRAM

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FOREWORD

This book provides extensive information about ACT Assessment results for different kinds of colleges and universities in the United States. Norms are given by educational level, educational major, region, age, and family income level. The tables are based on data for freshman students who entered college in 1975-76.

This volume supersedes *Assessing Students on the Way to College*, Volume II, *College Student Profiles: Norms for the ACT Assessment*, prepared by Oscar T. Lenning and published in 1972. The current edition was prepared by Richard L. Sawyer. We hope that this book will be helpful in examining trends and making comparisons at the local institutional level and thus contribute to a better understanding of student bodies and improved services for individual students.

James Maxey, *Assistant Vice President*
and Director of Research Services
Research and Development Division

Iowa City, Iowa
September 1976

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Chapter 1

INTRODUCTION

This book is an extensive description of the fall 1975 freshman students at 1,128 institutions participating in the ACT Assessment Program. It provides norms for academic abilities by geographical region, college type and control, student age, racial-ethnic background, curricular major, and family income. It also provides norms for nonacademic characteristics by college type and control.

The ACT Assessment Program

The ACT Assessment Program is a comprehensive evaluative, guidance, and placement service for students and educators involved in the transition from high school to college. It is based on the ACT Assessment, which consists of four academic tests, the Student Profile Section, and the Interest Inventory. The program also includes a number of supporting research services.

The four academic tests of the ACT Assessment measure abilities in the subject areas traditionally identified with college and high school programs: English, mathematics, social studies, and natural sciences. The English test measures students' understanding and use of the basic elements of correct and effective writing; the mathematics test, their mathematical reasoning and problem-solving ability; the social studies test, the evaluative reasoning and problem-solving skills required in the social studies; and the natural science test, the critical reasoning and problem-solving skills required in the natural sciences. The arithmetic average of the scores on these four tests is the ACT Composite score, which may be considered an estimate of overall academic ability.

ACT test scores are reported on a standard scale that ranges from 1 to 36. On this scale, a student's true score is usually within one point either side of the reported score for the ACT Composite and within two score points either side of the reported score for each of the four tests.

When students register for the ACT Assessment, they report the last grade received prior to the senior year of high school in each of the four subject areas.

The arithmetic average of these four grades—the high school average—provides another measure of overall academic ability. The high school average also reflects students' academic motivation and other college grade-related factors. It has been found to be about as predictive of college grades as the commonly used high school rank. For detailed descriptive and technical information about ACT test scores and high school grades, consult the *Technical Report for the ACT Assessment Program* (ACT, 1973).

Another component of the ACT Assessment is the Student Profile Section (SPS). Through the SPS, students describe to colleges certain factors which make them unique—biographical information, extracurricular accomplishments, special academic needs, housing plans, financial need, planned major, and probable vocation. The third component, the ACT Interest Inventory, measures students' preferences for job-related activities in many different types of occupations. All this information, organized into individual Student Profile Reports and various summary research reports, helps students and educators make informed plans and decisions.

A major research service supporting the ACT Assessment is the Class Profile Service. Each year, this service provides every participating college a description of its entering freshman class; in addition, it provides a parallel description of those students who considered the college but did not enroll there. Information about academic abilities, goals, needs, and other characteristics of each student group is compiled in a series of tables and published in the form of individual Class Profile Reports. The Class Profile Report has proven useful to college officials concerned with public information programs, student personnel functions, admissions, administration, and instruction.

To participate in the Class Profile Service, a college must have been chosen by 25 or more students to receive their ACT scores. Every year ACT automatically sends every such college a roster of these students' names. Colleges that want to participate in the Class Profile Service designate each student on the roster as either enrolled or nonenrolled. If the enrolled students number at least 25, ACT prepares separate Class Profile Reports for enrolled and nonenrolled students.

Every three or four years, ACT aggregates information from the individual Class Profile Reports of enrolled students into a book of national norms called *College Student Profiles*. In this book, ACT test score percentile ranks, high school grade percentages, and frequency distributions for several SPS items are reported for various regions of the country, types of institutions, and subgroups of students. The current edition, third in this series, is based on data obtained from freshmen enrolled in the fall of 1975.

Content and Organization

ACT Score and High School Grade Norms

Norms for the five ACT scores (the four academic test scores and the Composite), the four self-reported high school grades, and high school average are given in Chapter 2. These norms are provided according to the following breakdowns:

1. For all students (overall national norms)
2. By type of college (highest degree offered)
3. By control of college (public or private)
4. Jointly by type and control of college
5. By geographical region
6. Jointly by region and type of college
7. By age of student
8. By family income of student
9. By planned educational major of student
10. By racial-ethnic background of student

In addition, each of these categories is broken down further by sex.

College type is determined by the highest degree offered by the institution.

Type 1: Two but less than 4 years of work beyond Grade 12—includes junior colleges, technical institutes, and normal schools offering at least a 2-year program of college level studies.

Type 2: Only the bachelor's or first professional degree—includes those institutions offering courses of study leading to the customary Bachelor of Arts or Bachelor of Science degree and all those degrees which entitle the possessor to enter the profession indicated.

Type 3: Master's and/or second professional degree—includes those institutions offering the customary first graduate degree and any degree earned in the same field after the bachelor's or first professional degree. This type of institution does *not* offer the Doctor of Philosophy or equivalent degrees.

Type 4: Doctor of Philosophy and equivalent degrees—includes those institutions which are considered to be universities.

Type 5: Hospital schools of nursing.

The number of students and the number of colleges represented in categories defined by control, region, and type are shown in Tables 1.1 and 1.2. ACT will furnish on request the names of the institutions in all categories consisting of five or more institutions.

Student Profile Section Norms

Chapter 3 gives frequency distributions for the SPS items concerning educational major and vocational choice,

TABLE 1.1

Number of Students (Colleges) in Enrolled Class Profile Population, by Type and Control of School

	Type						
Control	Type 1 2-yr. Coll.	Type 2 4-yr. Coll.	Type 3 Master's	Type 4 Doctorate	Type 5 Nursing	Other	Total
Public	107,136 (333)	27,467 (64)	85,094 (114)	133,699 (84)	0 (0)	1,380 (9)	354,776 (604)
Private	17,273 (90)	39,995 (260)	15,031 (69)	17,677 (29)	2,437 (47)	5,121 (29)	97,534 (524)
Total	124,409 (423)	67,462 (324)	100,125 (183)	151,376 (113)	2,437 (47)	6,501 (38)	452,310 (1,128)

TABLE 1.2

Number of Students (Colleges) in Enrolled Class Profile Population, by Region and Type of School

Region	Type						
	Type 1 2-yr. Coll.	Type 2 4-yr. Coll.	Type 3 Master's	Type 4 Doctorate	Type 5 Nursing	Other	Total
Region 1 West Coast	10,647 (35)	2,442 (13)	6,174 (29)	2,511 (8)	0 (0)	0 (0)	21,774 (85)
Region 2 Rocky Mts. & Great Plains	11,418 (61)	10,563 (51)	9,954 (18)	32,540 (20)	286 (7)	1,642 (5)	66,403 (162)
Region 3 Southwest	28,960 (79)	8,997 (34)	20,716 (34)	22,939 (15)	0 (0)	165 (2)	81,777 (164)
Region 4 Midwest	41,101 (135)	26,696 (145)	29,976 (54)	60,283 (39)	1,537 (30)	2,846 (21)	162,459 (424)
Region 5 South & Southeast	17,008 (67)	12,088 (51)	29,791 (34)	25,688 (15)	504 (7)	334 (4)	85,413 (178)
Region 6 East & Northeast	15,275 (46)	6,676 (30)	3,514 (14)	7,415 (16)	90 (3)	1,514 (6)	34,484 (115)
Total	124,409 (423)	67,462 (324)	100,125 (183)	151,376 (113)	2,437 (47)	6,501 (38)	452,310 (1,128)

Note. ACT will furnish on request the names of institutions in categories where there are 5 or more institutions.

degree aspiration, importance of factors affecting college choice, financial aid considerations, needs for special programs, and racial-ethnic background. Frequency distributions are broken down as follows:

1. All students (overall national norms)
2. Jointly, by type and control of college

In addition, norms are broken down further by sex.

Other Contents

Appendix A is a glossary of the statistical technical terms used in this book. Appendix B contains the Student Profile Section of the ACT Assessment. Appendix C is a technical discussion of the survey errors related to this study. A list of the tables is given in the Index.

Format for Reporting Norms

ACT score norms are reported in percentile ranks, a method of indicating the rank of a given score relative to the scores of a group of people. This concept is best explained by an illustration. According to Table 2.1, for instance, the national percentile rank of a standard score of 20 on the English test is 70 for men, 58 for women, and 64 for men and women combined. This means that 70% of all male students who took the ACT Assessment and who enrolled in Class Profile participating colleges throughout the nation had a standard score of 20 or less on the English test; 58% of all comparable female students had a standard score of 20 or less on this test; and 64% of all comparable students, without regard to sex, had a standard score of 20 or less.

In the columns of percentile ranks are the mean (average) ACT standard score, the standard deviation (see Appendix A), and the size of the sample on which these statistics are based. Sample size is always one-tenth the size of the entire Class Profile population.

The high school grade norms are reported in percentages, rather than in percentiles. For example, in Table 2.1, 22% of all males who took the ACT Assessment and who enrolled in Class Profile colleges throughout the nation reported an "A" in English; 40% of all females did so; and 31% of the total population of students, male and female, did so. On the scale where A=4, B=3, C=2, D=1, and F=0, the average high school English grade for men is 2.83; for women, 3.22; and for everyone, 3.03.

Note that the sample sizes reported for high school grades are different from those reported for ACT scores. The reason for this difference is that some people who wrote the ACT Assessment did not report high school grades. In fact, the sample sizes for the different high school grades are themselves not all the same; because this variation is usually small, however, only the sample sizes for high school English are reported.

The percentages for high school average (last 3 columns) pertain to high school

average rounded to the nearest whole letter grade.

Like the norms for high school grades, the norms for SPS items are reported in percentages. Thus, Table 3.1 shows that 8% of all male students in Class Profile colleges plan to major in agriculture or forestry, and that for 8% of all male students these fields were the first vocational choice. The corresponding figures for females are 2% and 2%.

The Overall Population and the Sample

The population for this study consists of the fall 1975 enrolled freshmen represented in the ACT Class Profile Service. Of the approximately one million students who took the ACT Assessment during the 1974-75 test year or earlier, 452,310 were identified as 1975 freshmen in the enrolled Class Profile Reports sent to 1,128 participating postsecondary institutions.

For this study all Class Profile enrolled students were listed on magnetic tape in college code order and in alphabetical order within each college. Then every 10th student was selected for a 10% sample. This sampling method closely approximates taking separate, independent random samples from each institution, with the sample size for an institution proportional to the number of students in its enrolled Class Profile Report. One can be confident that the sample upon which the norms are based is highly representative of students in the Class Profile population.

Many colleges with students in the sample have freshmen who did not take the ACT Assessment and who therefore are missing from the population from which the sample was selected. Crockett[1] surveyed the institutions participating in the 1974-75 Class Profile Service to determine the number of full-time freshmen who enrolled at each institution in September 1974. He found that 51% of the freshmen enrolled at institutions participating in the 1974 Class Profile Service had taken the ACT Assessment. There are several explanations for this 49% nonparticipation rate. Some colleges collect ACT scores directly from high school transcripts and do not elect to enter them into the Class Profile Service. Some colleges do not require their students to take entrance examinations, while others exempt special groups of students from test requirements (e.g., adults, vocational-educational, and educationally disadvantaged students). Some colleges accept either SAT or ACT scores. These considerations would, therefore, make it doubtful that the sample in this study is representative of *all* freshmen at ACT-participating colleges. It is, however, representative of all freshmen who took the ACT Assessment.

It should be noted further that this sample includes only students attending institutions participating in the Class Profile Service. These institutions are located primarily in the Midwest, the Rocky Mountains, the Great Plains, and the South; fewer of them are in the

[1]D. S. Crockett, *Survey of ACT-Participating Colleges* (Iowa City, Iowa: The American College Testing Program, 1975).

Northeast, the extreme Northwest, and the Middle Atlantic states. Also, public institutions are represented more frequently than private colleges. The students in the sample are therefore not representative of freshmen in the nation as a whole.

Because the norms in this study are based on a sample rather than on the entire Class Profile population, they differ somewhat from the true norms. This error due to sampling is likely to be insignificant, however, in norms for subgroups with sample sizes of 2,000 or more. A technical discussion of the sampling error and of other errors related to this study is given in Appendix C.

Using the Norms in This Book

The norms in this book can be used in two major contexts: administrative interpretation of local group statistics for evaluation and planning, and individual counseling and guidance.

College officials obtain local norms for their institutions through the ACT Class Profile Service, while high school officials obtain their local norms through the ACT High School Profile Service. In both cases, officials are interested in comparing their students to particular normative groups. The same is true of special research projects that focus on a specific group of local students. If institutional officials explore the similarities and differences between the local group and an appropriate normative group or groups, they may find results which have implications for evaluating, planning, and decision making. For example, college administrators may discover that their incoming freshmen have special needs, plans, or abilities, when compared to freshmen at colleges of the same type. Similarly, high school officials may discover whether local college-bound students are being adequately prepared for the colleges of their choice.

In addition to their use in local research, the norms in this book can be helpful in precollege guidance and college counseling. For example, college admissions counselors can use the norms to tell individual students or groups of students how their college differs from other colleges of the same type or in the same geographical region. Similarly, counselors can let prospective candidates know how the local enrolled students majoring in a particular subject area compare with similar students nationally.

Chapter 2

ACT SCORE AND HIGH SCHOOL GRADE NORMS

In this chapter, percentile rank distributions of ACT scores and percentage distributions of high school grades are given for various subgroups of students enrolled in college. These subgroups of students are defined by region, type, control of college, age, family income, race, and sex of student. Below are summarized some of the differences among the subgroups in their average test scores and high school grades.

Sex

Men students generally score higher than women students on the ACT mathematics, social studies, and natural sciences tests, and consistently score lower than women students on the English test. This relationship holds for subgroups defined by region, control, and type of school, as well as age, race, and family income of student. Nationally, men score about 2.5 units higher than women on the mathematics and natural sciences test, about 2.0 units higher on the social studies test, and about 1.5 units lower on the English test.

Men students generally have lower self-reported high school grades than women in all four subject areas. With very few exceptions, this is true of all subgroups defined by region, control, and type of school, as well as age, race, and family income of student. Nationally, men average .15 to .18 lower than women in mathematics, social studies, and natural sciences, and .39 lower in English.

Age

ACT English scores tend to decrease with students' age. For students 18 years and younger, they average about 18.5 standard score units; for students 25 years and older, they average about 15.3 units.

The other ACT scores show somewhat different age-related variations. They are about the same for students under 18 as for students 18-20 years old (17.9-18.3 standard score units in math and social studies, 21.2-21.3 in natural sciences), but they average about 3 units lower for students 21 and over. However, scores are slightly higher for students 25 and over than for students 21-24.

High school grades also tend to decrease with students' age until age 25, when they increase slightly. In English and social studies they average 3.24-3.27 for students under 18 years, 2.43-2.50 for students 21-24 years, and 2.58-2.61 for students 25 years and older. Natural sciences grades decrease from 3.05 (under 18) to 2.32 (21-24 years) and then increase to 2.46 (25 and over). Mathematics grades decrease from 2.79 (under 18) to 2.22 (21-24 years) and then increase to 2.39 (25 and over).

Family Income

All four ACT scores steadily increase, on the average, as family income increases. Mean scores for students with family incomes under $3,000 are 12.2-12.3 in mathematics and social studies, 13.7 in English, and 16.4 in natural sciences. Mean scores for students with family incomes above $20,000 are 19.1 in English, 20.2 in mathematics, 19.8 in social studies, and 22.9 in natural sciences. Scores for students who consider the family's income confidential are about the same as those of students with family incomes of from $9,000-$11,999.

High school grades also tend to increase with family income. English grades range from 2.79 for students in the lowest income category to 3.14 for students in the highest income category. High school math grades increase from about 2.44 for students in the lowest category to 2.70 for students in the highest. Social studies grades vary from 2.80 to 3.20, and natural sciences grades, from 2.61 to 2.93.

Racial-Ethnic Background

There are marked differences among the racial-ethnic groups in their average ACT scores. In general, Black students have the lowest scores with a Composite of 12.2. They are followed by Mexican American/Chicanos (13.9), Puerto Ricans/Spanish-speaking Americans (14.1) American Indians/Eskimos (16.1), Orientals (17.6), and Caucasian Americans (20.0). Students of "Other" racial-ethnic backgrounds have an average ACT Composite score of 17.2, while those who refused to identify their race scored an average of 18.4. Within each group, there is considerable variation among the four test scores, suggesting the influence of cultural and educational background.

The same differences are observable for high school grades. Black students have the lowest high school averages (2.59), followed by Mexican American/Chicanos, Indians, and Puerto Ricans (2.69-2.73), Orientals (2.85), and Caucasian Americans (2.98). "Other" students have a mean high school average of 2.82, and those who chose not to identify their racial-ethnic background earned a 2.87. Again, there is considerable variation among the four subject areas.

Type and Control

ACT scores of students enrolled in 2-year colleges average 15.0 in mathematics, 15.2 in social studies, 15.7 in English, 18.9 in natural sciences, and 16.3 for the Composite. There is not much difference between the scores of students in public and private 2-year colleges.

Students enrolled in public 4-year colleges have an average ACT Composite of 17.6; those enrolled in public master's level colleges have an average Composite of 18.2; and those enrolled in public PhD level colleges have an average Composite of 20.8. These differences are fairly uniform across all four of the subtests.

The average ACT Composite of students enrolled in private 4-year colleges is 19.0; for students enrolled in private master's level colleges it is 20.1; for those enrolled in private PhD level colleges it is 20.6. These differences are fairly uniform across all subtests except for English, where there is no increase from master's to PhD level.

There is little difference between the self-reported high school grades of students in public and private 2-year colleges; both groups average about 2.45 in mathematics, 2.65 in natural sciences, 2.83 in English, and 2.86 in social studies.

Likewise, in all subject areas but English, there is not much difference between the self-reported grades of students in public and private 4-year colleges; both groups average about 2.66 in mathematics, 3.08 in social studies, and 2.85 in natural sciences. In English, students enrolled in public 4-year colleges average 2.98, while students in private 4-year colleges average 3.09.

There is greater difference in self-reported high school grades between students enrolled in public and private master's level colleges. In English, students average about 3.01 (public) versus 3.18 (private), in mathematics 2.62 and 2.78, in social studies 3.08 and 3.23, and in natural sciences 2.84 and 2.99.

The self-reported high school grades of students enrolled in PhD level colleges average above .15 higher than those of students enrolled in master's level colleges. Students in the private PhD level colleges also have somewhat higher self-reported grades than those in the public schools.

Region

Students enrolled in Class Profile colleges in the West Coast, Southwest, and East/Northeast regions have average ACT scores of 16.1-16.9 in English, mathematics, and social studies, and 19.7-20.5 in natural sciences. Rocky Mountains/Great Plains and Midwest college students average 18.3-18.4 in English, 19.2-19.5 in mathematics, 18.9-19.1 in social studies, and 22.4-22.1 in natural sciences. Students enrolled in South/Southeast region colleges have somewhat different test scores; they aver-

age 16.4 in mathematics, 16.3 in social studies, 17.0 in English, and 19.7 in natural sciences. Within each geographical region, the trend of ACT scores is to increase with the degree level offered by the college.

Average self-reported high school grades in English are 2.94-2.99 for the West Coast, Southwest, South/Southeast, and East/Northeast college students; 3.08 for Midwest college students; and 3.16 for Rocky Mountains/Great Plains college students.

Self-reported mathematics grades average 2.50 for West Coast students; 2.61-2.63 for Southwest, South/Southeast, and East/Northeast students; and 2.66-2.75 for Midwest and Rocky Mountains/Great Plains students.

Self-reported social studies grades average 2.94-3.05 for West Coast, South/Southeast, and East/Northeast students; 3.08-3.11 for Southwest and Midwest students; and 3.18 for Rocky Mountains/Great Plains students.

Self-reported natural sciences grades average 2.73 for East/Northeast students, approximately 2.80 for South/Southeast and West Coast students, 2.87 for Midwest students, and 2.97 for Rocky Mountains/Great Plains students.

Within each region, high school grades tend to increase with the degree level offered by the college.

TABLE 2.1

Overall National ACT Score and High School Grade Norms

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	97	99	98	99	99	99	95	99	97	99	99	99	**32**
31	99	99	99	96	99	97	98	99	99	91	97	94	99	99	99	**31**
30	99	99	99	94	98	96	96	98	97	86	94	90	98	99	99	**30**
29	99	99	99	91	96	94	94	97	96	81	91	86	97	98	97	**29**
28	99	98	99	87	94	91	91	95	93	76	88	82	94	97	95	**28**
27	99	97	98	82	91	87	87	93	90	71	85	78	90	94	92	**27**
26	97	95	96	77	87	82	82	89	86	67	81	74	86	91	89	**26**
25	96	92	94	72	83	78	76	84	80	62	77	70	80	87	84	**25**
24	93	88	90	67	79	73	70	79	75	57	73	66	75	83	79	**24**
23	89	82	85	63	76	70	63	74	69	53	69	61	69	78	74	**23**
22	84	75	79	60	73	67	57	68	63	48	63	56	63	73	68	**22**
21	77	66	71	57	70	64	52	63	58	43	59	51	57	67	62	**21**
20	70	58	64	53	67	60	48	59	54	39	54	47	51	61	57	**20**
19	63	51	56	50	63	57	44	56	50	34	48	41	46	56	51	**19**
18	54	43	48	45	59	52	42	53	48	29	43	37	40	50	45	**18**
17	46	35	40	40	53	47	39	50	45	25	37	31	35	44	40	**17**
16	39	29	34	35	47	41	37	47	42	20	30	25	30	38	34	**16**
15	34	25	29	29	42	36	35	44	40	15	23	19	25	33	29	**15**
14	29	21	25	25	36	31	32	41	37	11	17	14	21	27	24	**14**
13	25	18	21	21	32	27	28	36	32	7	11	9	16	22	19	**13**
12	20	14	17	18	28	24	24	32	28	5	7	6	13	17	15	**12**
11	16	11	14	16	25	20	21	28	25	4	5	4	9	12	11	**11**
10	12	8	10	13	21	17	17	23	20	3	4	3	6	8	7	**10**
9	9	6	7	11	17	14	14	19	16	2	3	2	4	5	5	**9**
8	6	4	5	9	14	12	10	14	12	1	2	2	3	3	3	**8**
7	4	3	3	7	12	9	8	10	9	1	1	1	1	2	2	**7**
6	2	2	2	5	9	7	5	7	6	1	1	1	1	1	1	**6**
5	1	1	1	4	7	5	4	5	4	1	1	1	1	1	1	**5**
4	1	1	1	3	5	4	2	3	3	1	1	1	1	1	1	**4**
3	1	1	1	2	3	3	1	2	1	1	1	1	1	1	1	**3**
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.9	18.3	17.6	19.2	16.6	17.9	18.7	16.8	17.7	22.3	19.9	21.0	19.4	18.0	18.7	*Mean*
S.D.	5.3	5.3	5.3	7.6	7.5	7.7	7.6	7.5	7.6	6.5	6.1	6.4	5.9	5.7	5.8	*S.D.*

Sample size M 21,631 W 23,591 T 45,222

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	22	40	31	18	21	19	30	38	34	20	24	22	21	32	27	**A** (4)
B (3)	42	43	43	30	32	31	38	37	37	34	36	35	49	51	50	**B** (3)
C (2)	29	15	22	33	29	31	23	18	20	28	23	26	28	17	22	**C** (2)
D (1)	4	1	3	10	8	9	3	2	3	5	3	4	2	1	1	**D** (1)
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	2	1	1	8	10	9	5	5	5	13	14	13				**Not Taken**
Mean	2.83	3.22	3.03	2.57	2.72	2.65	2.99	3.17	3.09	2.76	2.93	2.85	2.78	3.01	2.90	*Mean*
S.D.	.83	.76	.82	.97	.94	.96	.85	.81	.84	.89	.84	.87	.68	.64	.67	*S.D.*

Sample size M 20,935 W 22,932 T 43,867

[a]Rounded to the nearest whole letter grade

TABLE 2.2

ACT Score and High School Grade Norms for Students Enrolled in 2-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	96	99	98	99	99	99	**31**
30	99	99	99	99	99	99	99	99	99	94	98	96	99	99	99	**30**
29	99	99	99	97	99	98	98	99	98	91	96	94	99	99	99	**29**
28	99	99	99	96	98	97	97	98	97	87	94	91	99	99	99	**28**
27	99	99	99	94	96	95	95	97	96	84	92	88	97	98	98	**27**
26	99	98	99	91	94	93	91	95	93	80	90	85	95	97	96	**26**
25	99	96	98	87	92	90	87	92	90	76	87	82	93	95	94	**25**
24	98	94	96	84	90	87	83	88	85	72	84	78	89	92	91	**24**
23	96	90	93	80	88	84	77	84	81	67	80	74	85	89	87	**23**
22	93	86	89	78	86	82	72	80	76	62	76	70	80	85	83	**22**
21	89	79	84	75	84	79	67	76	72	58	72	65	75	81	78	**21**
20	84	72	77	72	81	77	63	72	67	53	67	61	70	76	73	**20**
19	78	65	71	69	78	73	59	69	64	48	62	55	64	71	68	**19**
18	71	57	63	64	74	69	57	66	62	42	56	50	58	66	62	**18**
17	63	49	55	58	69	64	54	63	59	36	49	43	52	60	56	**17**
16	55	42	48	51	63	57	51	60	56	30	41	36	46	54	50	**16**
15	49	36	42	44	56	50	49	57	53	23	32	28	40	47	44	**15**
14	43	31	37	37	50	44	45	54	49	17	24	21	34	40	37	**14**
13	38	26	32	33	44	39	40	49	45	12	16	14	27	33	30	**13**
12	32	22	27	28	40	34	35	44	40	8	11	10	21	26	24	**12**
11	26	18	22	24	35	30	31	39	35	6	8	7	15	19	17	**11**
10	20	13	17	20	30	25	26	33	30	4	6	5	11	13	12	**10**
9	15	10	12	16	24	21	21	27	24	3	4	4	7	8	8	**9**
8	10	7	8	14	20	17	16	21	18	2	3	3	4	5	5	**8**
7	7	4	5	11	17	14	12	16	14	2	2	2	2	3	3	**7**
6	4	3	3	8	13	11	9	11	10	1	1	1	1	1	1	**6**
5	2	1	2	6	10	8	6	8	7	1	1	1	1	1	1	**5**
4	1	1	1	4	7	6	4	5	4	1	1	1	1	1	1	**4**
3	1	1	1	3	5	4	2	3	2	1	1	1	1	1	1	**3**
2	1	1	1	2	3	3	1	2	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	14.8	16.5	15.7	16.1	14.1	15.0	16.1	14.5	15.2	20.0	18.0	18.9	16.8	15.9	16.3	*Mean*
S.D.	5.1	5.3	5.3	7.0	6.8	7.0	7.4	7.2	7.3	6.2	5.6	6.0	5.4	5.2	5.4	*S.D.*

Sample size M 5,816 W 6,617 T 12,433

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	12	29	21	10	15	12	17	26	22	11	16	14	10	20	15	**A** (4)
B (3)	39	46	42	27	30	29	37	40	39	30	34	32	46	54	51	**B** (3)
C (2)	39	21	29	38	33	35	33	24	28	36	28	32	41	25	32	**C** (2)
D (1)	7	2	4	13	10	11	6	3	4	8	5	6	3	1	2	**D** (1)
F (0)	1	0	0	2	1	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	3	2	3	10	12	11	7	6	6	16	17	17				**Not Taken**
Mean	2.57	3.04	2.82	2.32	2.55	2.45	2.70	2.95	2.83	2.51	2.74	2.63	2.52	2.81	2.67	*Mean*
S.D.	.82	.78	.83	.92	.92	.93	.85	.83	.85	.84	.84	.85	.64	.63	.65	*S.D.*

Sample size M 5,564 W 6,360 T 11,924

[a]Rounded to the nearest whole letter grade

TABLE 2.3

ACT Score and High School Grade Norms for Students Enrolled in 4-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	97	99	98	99	99	99	95	99	97	99	99	99	**32**
31	99	99	99	96	99	97	98	99	99	91	97	94	99	99	99	**31**
30	99	99	99	94	98	96	97	98	98	87	94	91	98	99	99	**30**
29	99	99	99	91	97	94	94	97	96	82	91	87	96	99	98	**29**
28	99	98	99	88	95	91	[illegible]	95	93	78	88	83	94	97	95	**28**
27	98	97	98	83	91	87	88	93	90	73	85	79	90	94	92	**27**
26	97	95	96	79	87	83	83	89	86	68	81	75	86	90	88	**26**
25	95	91	93	74	83	79	77	84	81	64	77	71	82	86	84	**25**
24	92	87	90	69	79	74	71	78	75	60	74	67	76	82	79	**24**
23	89	81	85	65	76	71	65	73	69	55	69	63	71	78	75	**23**
22	84	74	78	62	73	68	60	68	64	50	64	57	65	72	69	**22**
21	78	65	71	59	71	65	54	64	59	46	59	53	60	67	64	**21**
20	71	57	64	56	67	62	50	59	55	42	55	49	54	62	58	**20**
19	64	50	56	52	64	58	46	56	52	37	50	44	48	56	53	**19**
18	56	42	49	48	60	54	44	54	49	32	45	39	43	51	47	**18**
17	48	35	41	44	55	50	42	51	47	27	39	33	38	46	42	**17**
16	42	29	35	38	49	44	39	48	44	22	32	27	33	40	37	**16**
15	36	25	30	32	44	38	37	45	41	17	24	21	28	34	31	**15**
14	32	21	26	27	38	33	34	41	38	13	18	16	23	29	26	**14**
13	27	17	22	24	34	29	30	37	34	9	12	11	19	23	21	**13**
12	23	14	18	21	30	26	27	33	30	6	8	7	15	18	17	**12**
11	19	11	15	18	27	23	23	29	26	5	5	5	11	13	12	**11**
10	14	9	11	15	23	19	19	25	22	3	4	4	8	9	9	**10**
9	11	7	8	13	19	16	16	20	18	3	3	3	6	6	6	**9**
8	7	5	6	11	16	14	12	15	14	2	2	2	4	4	4	**8**
7	5	3	4	9	13	11	9	11	10	1	1	1	2	2	2	**7**
6	3	2	2	7	10	8	7	8	7	1	1	1	1	1	1	**6**
5	2	1	1	5	8	6	5	5	5	1	1	1	1	1	1	**5**
4	1	1	1	3	5	4	3	3	3	1	1	1	1	1	1	**4**
3	1	1	1	2	4	3	2	2	2	1	1	1	1	1	1	**3**
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.6	18.4	17.5	18.7	16.3	17.5	18.3	16.7	17.4	21.8	19.8	20.7	19.0	17.9	18.4	*Mean*
S.D.	5.5	5.4	5.5	7.8	7.6	7.8	7.8	7.6	7.7	6.7	6.1	6.5	6.1	5.8	6.0	*S.D.*

Sample size M: 3,170; W: 3,580; T: 6,750

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	23	40	32	18	21	20	29	39	34	21	24	23	22	33	28	**A** (4)
B (3)	41	42	41	30	32	31	38	36	37	32	35	34	49	49	49	**B** (3)
C (2)	30	15	22	32	28	30	24	18	21	29	23	26	28	17	22	**C** (2)
D (1)	4	1	3	10	7	9	3	3	3	5	3	4	2	1	1	**D** (1)
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	2	1	1	9	11	10	6	5	5	13	15	14				**Not Taken**
Mean	2.83	3.22	3.04	2.59	2.74	2.67	2.99	3.16	3.08	2.77	2.94	2.86	2.79	3.02	2.91	*Mean*
S.D.	.84	.76	.82	.97	.93	.95	.85	.82	.84	.90	.84	.87	.69	.65	.68	*S.D.*

Sample size M: 3,046; W: 3,470; T: 6,516

[a]Rounded to the nearest whole letter grade

TABLE 2.4

ACT Score and High School Grade Norms for Students Enrolled in Master's Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	98	99	99	99	99	99	96	99	97	99	99	99	**32**
31	99	99	99	97	99	98	98	99	99	93	97	95	99	99	99	**31**
30	99	99	99	96	98	97	97	99	98	88	95	92	99	99	99	**30**
29	99	99	99	94	97	95	95	98	97	84	92	88	98	98	98	**29**
28	99	98	99	90	95	92	93	96	94	79	89	84	95	97	96	**28**
27	99	97	98	85	92	88	89	93	91	74	86	81	92	95	94	**27**
26	98	95	96	80	88	84	83	90	87	70	82	76	88	92	90	**26**
25	96	92	94	74	84	79	77	86	82	65	78	72	83	89	86	**25**
24	94	88	91	69	80	75	71	81	76	60	74	68	77	85	81	**24**
23	90	83	86	65	78	72	65	75	70	55	70	63	72	80	76	**23**
22	85	75	80	62	74	69	59	70	64	50	65	58	65	75	70	**22**
21	79	66	72	59	71	65	53	65	59	45	60	53	59	69	64	**21**
20	72	58	65	55	68	62	49	60	55	41	55	48	53	63	59	**20**
19	65	51	57	51	64	58	45	57	51	35	49	43	48	57	53	**19**
18	56	43	49	47	59	54	42	54	49	30	44	38	42	51	47	**18**
17	47	35	40	42	54	48	41	51	46	25	38	32	37	45	41	**17**
16	39	29	34	36	47	42	38	48	44	20	31	26	31	39	35	**16**
15	33	24	28	31	42	36	36	45	41	14	23	19	26	32	29	**15**
14	28	20	24	26	36	31	33	41	37	10	17	14	20	26	23	**14**
13	24	17	20	22	32	27	29	37	33	7	11	9	16	21	18	**13**
12	19	13	16	19	28	24	25	33	29	4	7	6	12	16	14	**12**
11	15	10	13	16	25	21	21	28	25	3	5	4	9	12	10	**11**
10	11	7	9	13	21	18	17	24	21	2	3	3	6	8	7	**10**
9	8	5	7	11	17	14	13	18	16	2	3	2	4	5	4	**9**
8	5	4	4	9	14	12	10	14	12	1	2	2	2	3	3	**8**
7	3	2	3	7	11	9	7	10	9	1	1	1	1	1	1	**7**
6	2	2	2	5	9	7	5	7	6	1	1	1	1	1	1	**6**
5	1	1	1	4	6	5	4	5	4	1	1	1	1	1	1	**5**
4	1	1	1	3	5	4	2	3	3	1	1	1	1	1	1	**4**
3	1	1	1	2	3	2	1	2	1	1	1	1	1	1	1	**3**
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.8	18.4	17.6	18.8	16.5	17.6	18.5	16.6	17.5	22.0	19.7	20.8	19.1	17.9	18.5	*Mean*
S.D.	5.1	5.2	5.2	7.4	7.3	7.5	7.5	7.3	7.5	6.3	6.0	6.2	5.7	5.5	5.6	*S.D.*

Sample Size M: 4,660; W: 5,335; T: 9,995

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	21	40	31	17	21	19	30	40	35	19	25	22	20	33	27	**A** (4)
B (3)	43	43	43	30	33	31	39	37	38	35	36	35	51	50	51	**B** (3)
C (2)	30	14	22	34	28	31	23	17	20	28	23	25	28	17	22	**C** (2)
D (1)	4	1	3	10	8	9	3	2	2	5	3	4	2	1	1	**D** (1)
F (0)	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	2	1	1	8	10	9	5	5	5	13	13	13				**Not Taken**
Mean	2.82	3.22	3.03	2.55	2.72	2.64	3.00	3.20	3.11	2.76	2.95	2.86	2.77	3.02	2.90	*Mean*
S.D.	.82	.76	.81	.96	.94	.95	.84	.80	.82	.88	.84	.86	.67	.64	.66	*S.D.*

Sample size M: 4,552; W: 5,211; T: 9,763

[a]Rounded to the nearest whole letter grade

TABLE 2.5

ACT Score and High School Grade Norms for Students Enrolled in PhD Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	97	99	98	99	99	99	96	99	98	99	99	99	**33**
32	99	99	99	96	98	97	99	99	99	92	98	95	99	99	99	**32**
31	99	99	99	93	98	95	97	99	98	87	95	91	99	99	99	**31**
30	99	99	99	90	96	93	94	98	96	79	91	85	97	98	98	**30**
29	99	98	99	85	94	89	91	96	94	72	87	79	95	97	96	**29**
28	99	97	98	79	90	85	87	93	90	66	83	74	90	94	92	**28**
27	98	95	96	72	85	79	81	89	85	60	78	69	85	91	88	**27**
26	96	92	94	65	80	72	74	84	79	55	73	64	78	86	82	**26**
25	93	88	91	58	75	66	66	78	72	49	68	59	70	81	75	**25**
24	89	82	86	52	69	61	58	71	65	45	64	54	62	75	68	**24**
23	84	75	80	47	66	56	51	64	58	40	58	49	55	68	61	**23**
22	76	66	71	44	62	53	45	58	51	34	52	43	48	61	54	**22**
21	67	56	62	41	58	49	39	53	46	30	47	38	41	55	48	**21**
20	59	47	53	37	55	46	35	48	41	26	42	34	35	48	41	**20**
19	50	39	45	33	50	42	32	44	38	22	36	29	29	42	36	**19**
18	41	31	36	29	45	37	29	41	35	18	31	25	25	36	30	**18**
17	33	25	29	25	40	32	27	38	32	15	26	20	20	30	25	**17**
16	26	20	23	20	34	27	25	36	30	11	20	16	16	25	21	**16**
15	21	16	19	16	29	23	23	33	28	8	15	12	13	20	17	**15**
14	17	13	15	13	24	19	20	29	25	6	11	8	10	16	13	**14**
13	14	11	13	11	21	16	17	26	21	4	7	6	8	13	10	**13**
12	11	9	10	9	18	14	14	22	18	2	5	4	6	9	7	**12**
11	8	7	8	8	16	12	12	19	15	2	3	2	4	7	5	**11**
10	6	5	5	6	13	10	10	15	12	1	2	2	2	5	3	**10**
9	4	3	4	5	11	8	8	11	9	1	2	1	2	3	2	**9**
8	3	2	2	4	9	6	6	9	7	1	1	1	1	2	1	**8**
7	2	1	1	3	7	5	4	6	5	1	1	1	1	1	1	**7**
6	1	1	1	2	5	4	3	4	4	1	1	1	1	1	1	**6**
5	1	1	1	2	4	3	2	3	2	1	1	1	1	1	1	**5**
4	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.5	19.7	19.1	22.1	18.9	20.5	21.0	18.8	19.9	24.3	21.5	22.9	21.6	19.9	20.8	*Mean*
S.D.	4.8	5.0	4.9	7.0	7.3	7.3	7.0	7.2	7.2	6.1	6.0	6.2	5.3	5.5	5.5	*S.D.*

Sample size M 7,611; W 7,392; T 15,003

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	29	48	39	24	26	25	40	47	43	26	31	28	29	40	34	**A** (4)
B (3)	46	40	43	33	34	34	38	35	36	37	37	37	51	49	50	**B** (3)
C (2)	22	11	16	29	26	27	16	13	15	23	19	21	19	12	15	**C** (2)
D (1)	3	1	2	8	7	8	2	1	2	4	3	3	1	0	1	**D** (1)
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	1	0	1	5	7	6	4	4	4	10	11	10				**Not Taken**
Mean	3.02	3.36	3.19	2.73	2.84	2.78	3.20	3.32	3.26	2.93	3.07	3.00	2.96	3.15	3.05	*Mean*
S.D.	.80	.70	.77	.97	.93	.95	.79	.76	.78	.87	.82	.85	.65	.61	.64	*S.D.*

Sample size M 7,413; W 7,238; T 14,651

[a]Rounded to the nearest whole letter grade

TABLE 2.6

ACT Score and High School Grade Norms for Students Enrolled in Schools of Nursing

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	99	98	98	99	99	99	**31**
30	99	99	99	99	99	99	99	99	99	88	95	95	99	99	99	**30**
29	99	99	99	99	98	98	99	99	99	75	92	91	99	99	99	**29**
28	99	98	98	99	95	95	75	97	97	75	87	87	99	98	98	**28**
27	99	97	97	99	92	92	50	94	93	75	82	82	99	96	97	**27**
26	99	95	95	99	86	86	50	88	87	75	77	77	99	94	94	**26**
25	99	93	93	99	78	78	50	82	81	75	71	71	99	90	90	**25**
24	99	89	89	99	70	70	50	75	75	63	63	63	99	84	85	**24**
23	99	83	83	99	64	65	38	67	67	50	53	53	99	76	76	**23**
22	99	73	74	99	61	61	25	60	60	50	45	45	88	65	66	**22**
21	88	59	60	99	57	58	25	54	53	50	40	40	50	56	56	**21**
20	63	46	46	88	52	53	25	47	47	38	34	34	25	46	46	**20**
19	50	36	36	63	46	46	25	42	42	13	28	28	25	35	35	**19**
18	50	26	27	50	40	40	25	37	36	1	22	22	25	24	24	**18**
17	50	19	20	38	33	33	25	32	32	1	16	16	25	16	16	**17**
16	50	14	15	25	27	27	25	30	30	1	11	11	25	11	11	**16**
15	38	9	10	25	23	23	25	27	27	1	6	6	25	8	8	**15**
14	25	6	7	25	19	19	25	23	23	1	4	4	13	5	5	**14**
13	25	4	4	25	15	15	25	17	17	1	2	2	1	3	3	**13**
12	25	2	2	25	13	13	25	12	12	1	1	1	1	2	2	**12**
11	13	1	1	13	10	10	25	8	9	1	1	1	1	1	1	**11**
10	1	1	1	1	8	8	25	6	6	1	1	1	1	1	1	**10**
9	1	1	1	1	6	6	25	4	4	1	1	1	1	1	1	**9**
8	1	1	1	1	4	4	25	3	3	1	1	1	1	1	1	**8**
7	1	1	1	1	2	2	25	2	2	1	1	1	1	1	1	**7**
6	1	1	1	1	1	1	25	1	1	1	1	1	1	1	1	**6**
5	1	1	1	1	1	1	13	1	1	1	1	1	1	1	1	**5**
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.7	20.0	19.9	16.7	19.5	19.5	21.0	19.4	19.5	23.2	22.2	22.2	19.5	20.4	20.4	*Mean*
S.D.	4.0	3.6	3.7	3.5	6.0	5.9	9.5	5.7	5.8	4.3	4.8	4.8	3.2	3.7	3.7	*S.D.*

Sample size M: 4 W: 242 T: 246

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	25	44	44	0	20	20	0	42	41	0	25	25	0	36	36	**A** (4)
B (3)	75	46	47	25	40	40	100	42	43	50	47	47	100	54	55	**B** (3)
C (2)	0	8	8	75	25	25	0	11	11	50	20	20	0	10	10	**C** (2)
D (1)	0	1	1	0	6	6	0	1	1	0	2	2	0	0	0	**D** (1)
F (0)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	0	1	1	0	9	9	0	4	4	0	6	6				**Not Taken**
Mean	3.25	3.34	3.34	2.25	2.80	2.79	3.00	3.30	3.30	2.50	3.01	3.00	2.75	3.12	3.11	*Mean*
S.D.	.43	.66	.66	.43	.87	.86	.00	.71	.70	.50	.76	.75	.00	.55	.54	*S.D.*

Sample size M: 4 W: 237 T: 241

[a]Rounded to the nearest whole letter grade

TABLE 2.7

ACT Score and High School Grade Norms for Students Enrolled in Public Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	98	99	98	99	99	99	95	99	97	99	99	99	**32**
31	99	99	99	97	99	98	98	99	99	92	97	94	99	99	99	**31**
30	99	99	99	95	98	96	97	99	98	87	95	91	99	99	99	**30**
29	99	99	99	92	97	94	95	98	96	82	92	87	97	98	98	**29**
28	99	98	99	88	94	91	92	96	94	77	89	83	95	97	96	**28**
27	99	97	98	83	91	87	88	93	91	72	86	79	91	95	93	**27**
26	98	95	96	78	88	83	83	90	86	67	82	75	87	92	89	**26**
25	96	92	94	73	84	78	77	85	81	63	78	70	81	88	85	**25**
24	93	88	91	68	80	74	71	80	76	58	74	66	76	84	80	**24**
23	90	83	86	64	77	71	64	75	70	53	70	62	70	79	75	**23**
22	85	76	80	60	74	68	58	69	64	48	64	56	64	74	69	**22**
21	78	67	73	57	71	64	53	65	59	44	60	52	58	68	63	**21**
20	71	59	65	54	68	61	48	60	54	39	55	47	52	63	58	**20**
19	64	52	57	50	64	57	45	57	51	34	49	42	46	57	52	**19**
18	55	44	49	46	60	53	42	54	48	30	44	37	41	51	46	**18**
17	47	36	41	41	54	48	40	51	46	25	38	31	36	45	41	**17**
16	40	30	35	35	48	42	37	48	43	20	31	25	30	39	35	**16**
15	34	25	29	30	43	36	35	45	40	15	23	19	25	33	30	**15**
14	29	21	25	25	37	31	32	42	37	11	17	14	21	27	24	**14**
13	25	18	21	21	33	27	28	37	33	7	11	9	16	22	19	**13**
12	20	14	17	18	29	24	24	33	29	5	7	6	12	17	15	**12**
11	16	11	14	16	25	21	21	29	25	4	5	4	9	12	11	**11**
10	12	8	10	13	22	18	17	24	21	2	4	3	6	8	7	**10**
9	9	6	7	11	18	14	14	19	16	2	3	2	4	5	5	**9**
8	6	4	5	9	15	12	10	15	12	1	2	2	2	3	3	**8**
7	4	3	3	7	12	10	7	11	9	1	1	1	1	2	2	**7**
6	2	2	2	5	9	7	5	8	6	1	1	1	1	1	1	**6**
5	1	1	1	4	7	5	4	5	4	1	1	1	1	1	1	**5**
4	1	1	1	3	5	4	2	3	3	1	1	1	1	1	1	**4**
3	1	1	1	2	3	3	1	2	1	1	1	1	1	1	1	**3**
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.8	18.2	17.5	19.1	16.4	17.7	18.6	16.6	17.6	22.2	19.7	20.9	19.3	17.9	18.6	*Mean*
S.D.	5.2	5.3	5.3	7.6	7.4	7.6	7.5	7.4	7.5	6.4	6.0	6.3	5.8	5.6	5.8	*S.D.*

Sample size M: 17,174 W: 18,141 T: 35,315

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	21	39	30	17	20	19	29	38	34	19	24	21	20	31	26	**A** (4)
B (3)	43	43	43	30	32	31	38	37	38	34	36	35	50	51	50	**B** (3)
C (2)	30	15	22	33	29	31	24	18	21	29	23	26	28	17	23	**C** (2)
D (1)	4	1	3	11	8	9	4	2	3	5	3	4	2	1	1	**D** (1)
F (0)	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	2	1	1	8	10	9	5	5	5	13	14	13				**Not Taken**
Mean	2.80	3.21	3.01	2.54	2.71	2.63	2.98	3.16	3.07	2.75	2.92	2.84	2.76	3.00	2.88	*Mean*
S.D.	.83	.76	.82	.97	.93	.95	.85	.81	.84	.88	.84	.87	.68	.64	.67	*S.D.*

Sample size M: 16,629 W: 17,651 T: 34,280

[a]Rounded to the nearest whole letter grade

TABLE 2.8

ACT Score and High School Grade Norms for Students Enrolled in Private Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	97	99	98	99	99	99	97	99	98	99	99	99	**33**
32	99	99	99	96	99	98	99	99	99	93	98	96	99	99	99	**32**
31	99	99	99	94	98	97	97	99	98	89	96	93	99	99	99	**31**
30	99	99	99	92	97	95	95	98	97	84	92	88	97	99	98	**30**
29	99	98	99	89	95	92	92	97	95	78	89	84	95	98	96	**29**
28	99	97	98	84	93	89	89	94	92	74	86	80	91	96	94	**28**
27	98	96	97	79	89	84	84	91	88	69	82	76	87	92	90	**27**
26	96	93	95	73	85	79	79	87	83	64	78	72	82	88	86	**26**
25	94	90	92	67	80	74	72	81	77	59	74	67	77	84	81	**25**
24	91	85	88	63	76	70	65	75	71	55	70	63	71	79	76	**24**
23	86	79	82	59	72	66	59	69	65	51	65	59	65	74	70	**23**
22	80	71	75	57	69	64	54	64	60	46	60	53	59	68	64	**22**
21	74	62	67	54	66	61	49	60	55	42	55	49	54	63	59	**21**
20	67	54	60	51	63	58	44	55	50	37	50	44	49	57	53	**20**
19	60	46	52	47	59	54	41	52	47	33	45	40	43	51	48	**19**
18	52	39	45	44	55	50	39	49	45	29	40	35	38	46	42	**18**
17	44	32	37	39	50	45	37	46	42	24	34	30	34	40	37	**17**
16	37	27	31	33	44	39	35	44	40	20	28	24	29	35	32	**16**
15	32	23	27	28	38	34	33	41	38	15	22	19	24	30	27	**15**
14	27	19	23	24	33	29	30	37	34	12	16	14	20	25	23	**14**
13	24	17	20	20	29	25	27	33	31	8	11	10	16	20	19	**13**
12	20	14	16	18	26	22	23	30	27	6	7	7	13	16	15	**12**
11	16	11	13	15	23	19	20	26	24	4	5	5	10	12	11	**11**
10	13	8	10	12	19	16	17	22	20	3	4	3	8	8	8	**10**
9	10	6	8	10	16	13	14	17	16	2	3	3	5	5	5	**9**
8	7	4	6	8	13	11	11	13	12	2	2	2	3	3	3	**8**
7	5	3	4	7	11	9	8	9	9	1	1	1	2	2	2	**7**
6	3	2	2	5	8	7	6	7	7	1	1	1	1	1	1	**6**
5	1	1	1	4	6	5	5	5	5	1	1	1	1	1	1	**5**
4	1	1	1	3	4	4	3	3	3	1	1	1	1	1	1	**4**
3	1	1	1	2	3	2	2	2	2	1	1	1	1	1	1	**3**
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	17.2	18.7	18.0	19.8	17.3	18.4	19.2	17.4	18.2	22.5	20.3	21.3	19.8	18.6	19.1	*Mean*
S.D.	5.5	5.5	5.6	7.9	7.6	7.8	7.9	7.6	7.8	6.8	6.3	6.6	6.2	5.9	6.1	*S.D.*

Sample size M: 4,376 W: 5,386 T: 9,762

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	26	42	35	21	23	22	33	40	37	23	26	25	26	35	31	**A** (4)
B (3)	42	41	41	31	33	32	37	37	37	32	36	34	48	48	48	**B** (3)
C (2)	26	15	20	31	27	29	22	16	19	28	22	25	25	16	20	**C** (2)
D (1)	4	1	2	9	8	8	3	2	2	5	3	4	1	1	1	**D** (1)
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	2	1	1	8	9	8	5	5	5	12	12	12				**Not Taken**
Mean	2.92	3.25	3.10	2.67	2.76	2.72	3.06	3.19	3.13	2.81	2.97	2.90	2.86	3.04	2.96	*Mean*
S.D.	.84	.75	.81	.97	.95	.96	.84	.81	.83	.90	.84	.87	.69	.65	.68	*S.D.*

Sample size M: 4,227 W: 5,221 T: 9,448

[a]Rounded to the nearest whole letter grade

TABLE 2.9

ACT Score and High School Grade Norms for Students Enrolled in Public 2-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	**31**
30	99	99	99	99	99	99	99	99	99	94	98	96	99	99	99	**30**
29	99	99	99	98	99	98	98	99	99	91	96	94	99	99	99	**29**
28	99	99	99	96	98	97	97	98	98	88	94	91	99	99	99	**28**
27	99	99	99	94	97	95	95	97	96	84	92	88	98	98	98	**27**
26	99	98	99	91	95	93	92	95	93	80	90	85	95	97	96	**26**
25	99	97	98	87	92	90	88	92	90	76	87	82	93	95	94	**25**
24	98	94	96	84	90	87	83	88	86	72	84	78	89	92	91	**24**
23	96	91	93	80	88	84	77	84	81	67	80	74	85	89	87	**23**
22	93	86	89	77	86	82	72	80	76	62	76	70	80	86	83	**22**
21	89	79	84	75	84	80	67	76	72	58	72	65	75	81	78	**21**
20	84	72	78	72	81	77	63	72	67	53	68	61	70	77	73	**20**
19	78	65	71	68	78	73	59	69	64	48	62	55	64	72	68	**19**
18	71	57	64	64	74	69	57	66	62	42	56	50	58	66	62	**18**
17	63	49	56	58	69	64	54	63	59	36	49	43	52	60	56	**17**
16	56	42	49	51	63	57	51	60	56	30	41	35	46	54	50	**16**
15	49	36	42	44	56	50	48	58	53	23	32	28	40	47	44	**15**
14	43	31	37	37	49	44	45	54	49	17	23	20	34	40	37	**14**
13	38	26	32	32	44	39	40	49	45	12	16	14	27	32	30	**13**
12	32	22	27	28	39	34	35	44	40	8	11	10	21	26	23	**12**
11	26	17	21	25	35	30	30	39	35	6	8	7	15	19	17	**11**
10	20	13	16	20	29	25	26	33	30	4	5	5	10	13	12	**10**
9	15	10	12	17	24	21	20	27	24	3	4	4	7	8	8	**9**
8	10	6	8	14	20	17	15	21	18	2	3	3	4	5	5	**8**
7	7	4	5	11	16	14	12	16	14	1	2	2	2	3	3	**7**
6	4	3	3	8	13	10	9	11	10	1	1	1	1	1	1	**6**
5	2	1	2	6	9	8	6	8	7	1	1	1	1	1	1	**5**
4	1	1	1	5	7	6	3	5	4	1	1	1	1	1	1	**4**
3	1	1	1	3	5	4	2	3	2	1	1	1	1	1	1	**3**
2	1	1	1	2	3	3	1	2	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	14.8	16.5	15.7	16.1	14.1	15.0	16.1	14.4	15.2	20.0	18.0	18.9	16.8	15.9	16.3	*Mean*
S.D.	5.1	5.2	5.2	7.0	6.8	7.0	7.3	7.1	7.3	6.2	5.6	6.0	5.4	5.2	5.3	*S.D.*
Sample size	M 5,046			W 5,665			T 10,711									

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	12	29	21	9	14	12	17	26	22	10	16	13	9	20	15	**A** (4)
B (3)	38	46	43	26	30	29	37	40	38	29	34	32	47	55	51	**B** (3)
C (2)	40	21	30	38	33	36	33	25	29	36	29	32	41	24	32	**C** (2)
D (1)	6	2	4	14	9	11	6	3	5	8	4	6	3	1	2	**D** (1)
F (0)	1	0	0	2	1	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	3	2	3	10	12	11	7	6	6	17	17	17				**Not Taken**
Mean	2.56	3.04	2.81	2.32	2.55	2.44	2.69	2.94	2.82	2.50	2.73	2.62	2.51	2.81	2.67	*Mean*
S.D.	.81	.77	.83	.92	.91	.92	.85	.83	.85	.84	.83	.85	.63	.62	.64	*S.D.*
Sample size	M 4,830			W 5,455			T 10,285									

[a]Rounded to the nearest whole letter grade.

TABLE 2.10

ACT Score and High School Grade Norms for Students Enrolled in Public 4-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	98	99	99	99	99	99	97	99	98	99	99	99	**32**
31	99	99	99	97	99	98	99	99	99	94	99	96	99	99	99	**31**
30	99	99	99	96	99	97	98	99	99	90	97	94	99	99	99	**30**
29	99	99	99	93	99	96	96	98	97	86	95	90	98	99	99	**29**
28	99	99	99	90	97	94	94	97	95	81	92	86	96	99	97	**28**
27	99	98	99	86	95	90	90	95	93	76	90	83	93	97	95	**27**
26	98	97	97	82	92	87	85	92	89	71	87	79	89	94	92	**26**
25	96	94	95	77	89	83	80	88	84	67	83	75	85	91	88	**25**
24	94	90	92	73	85	79	75	84	79	62	80	71	80	88	84	**24**
23	91	86	88	69	83	76	69	80	74	58	76	67	75	85	80	**23**
22	87	80	83	66	81	73	63	75	69	54	71	62	69	80	75	**22**
21	81	72	76	63	78	71	58	71	64	49	67	58	63	76	70	**21**
20	74	64	69	60	75	68	54	66	60	45	63	54	58	71	64	**20**
19	67	57	62	56	72	64	50	63	57	40	58	49	52	65	58	**19**
18	59	49	54	52	68	60	48	61	54	35	53	44	46	60	53	**18**
17	51	41	46	47	63	55	45	59	52	30	47	38	42	54	48	**17**
16	45	34	39	41	58	49	42	56	49	24	39	31	36	48	42	**16**
15	39	29	34	35	52	43	40	53	46	18	30	24	31	42	36	**15**
14	34	25	30	30	46	38	37	49	43	13	22	18	26	35	31	**14**
13	30	21	25	26	41	34	33	44	38	9	15	12	21	29	25	**13**
12	25	17	21	24	37	30	29	39	34	6	10	8	17	23	20	**12**
11	20	13	17	20	33	26	26	35	30	4	7	6	12	17	14	**11**
10	16	11	13	17	29	23	22	30	26	3	5	4	8	12	10	**10**
9	11	8	10	14	24	19	17	24	21	2	4	3	6	7	6	**9**
8	8	6	7	12	20	16	13	19	16	2	3	2	3	4	4	**8**
7	5	3	4	9	17	13	10	15	12	1	2	1	2	3	2	**7**
6	3	2	3	7	13	10	7	10	9	1	1	1	1	2	1	**6**
5	2	1	2	5	10	7	5	7	6	1	1	1	1	1	1	**5**
4	1	1	1	3	7	5	3	4	3	1	1	1	1	1	1	**4**
3	1	1	1	2	5	4	2	2	2	1	1	1	1	1	1	**3**
2	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.2	17.5	16.8	18.0	14.8	16.4	17.6	15.3	16.5	21.4	18.6	20.0	18.4	16.7	17.6	*Mean*
S.D.	5.4	5.3	5.4	7.7	7.3	7.7	7.6	7.4	7.6	6.4	5.8	6.3	5.9	5.6	5.8	*S.D.*

Sample size M: 1,396; W: 1,347; T: 2,743

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	22	37	29	18	20	19	30	38	34	21	24	23	22	31	26	**A** (4)
B (3)	41	44	42	29	31	30	38	35	36	32	33	32	48	51	49	**B** (3)
C (2)	31	17	24	32	28	30	23	19	21	28	23	25	28	18	23	**C** (2)
D (1)	5	2	3	11	7	9	4	3	3	5	4	4	2	1	1	**D** (1)
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	1	1	1	8	14	11	5	5	5	14	16	15				**Not Taken**
Mean	2.79	3.17	2.98	2.57	2.74	2.65	2.99	3.13	3.06	2.79	2.92	2.85	2.78	2.99	2.88	*Mean*
S.D.	.85	.77	.83	.98	.92	.95	.86	.84	.86	.90	.86	.89	.70	.65	.69	*S.D.*

Sample size M: 1,334; W: 1,294; T: 2,628

[a]Rounded to the nearest whole letter grade

TABLE 2.11

ACT Score and High School Grade Norms for Students Enrolled in Public Master's Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	**32**
31	99	99	99	98	99	99	99	99	99	93	97	95	99	99	99	**31**
30	99	99	99	97	98	98	98	99	98	89	95	93	99	99	99	**30**
29	99	99	99	94	97	96	96	98	97	85	93	89	98	99	98	**29**
28	99	99	99	91	95	93	94	96	95	80	90	85	96	98	97	**28**
27	99	98	98	86	93	90	90	94	92	76	87	82	94	96	95	**27**
26	98	96	97	82	89	86	85	91	88	71	83	78	90	93	92	**26**
25	97	93	95	77	85	81	79	87	84	67	79	74	85	90	88	**25**
24	95	90	92	72	82	77	74	83	78	62	76	70	79	86	83	**24**
23	91	84	87	68	79	74	67	77	73	57	72	65	74	82	78	**23**
22	87	77	81	64	76	71	61	72	67	52	66	60	68	77	73	**22**
21	81	68	74	61	73	67	56	67	62	47	61	55	62	71	67	**21**
20	74	60	66	57	69	64	51	62	57	42	56	50	56	65	61	**20**
19	67	52	59	53	66	60	47	59	53	37	51	44	50	59	55	**19**
18	58	44	50	49	61	56	45	56	51	32	45	39	44	53	49	**18**
17	48	36	42	44	56	50	42	53	48	26	39	33	39	47	43	**17**
16	41	30	35	38	49	44	40	50	45	21	32	27	33	40	37	**16**
15	35	25	30	32	43	38	37	47	42	15	24	20	27	34	31	**15**
14	30	21	25	27	37	33	34	43	39	10	17	14	21	27	25	**14**
13	25	17	21	23	33	29	30	39	35	7	11	9	16	21	19	**13**
12	21	14	17	20	30	25	26	34	30	5	7	6	12	16	15	**12**
11	16	10	13	17	26	22	22	29	26	3	5	4	9	12	11	**11**
10	12	8	10	14	22	19	18	24	21	2	4	3	6	8	7	**10**
9	8	5	7	12	18	15	14	19	17	2	3	2	4	5	5	**9**
8	5	4	5	9	15	12	10	14	13	1	2	2	2	3	3	**8**
7	3	2	3	8	12	10	7	11	9	1	1	1	1	2	1	**7**
6	2	2	2	6	9	7	5	7	6	1	1	1	1	1	1	**6**
5	1	1	1	4	7	6	3	5	4	1	1	1	1	1	1	**5**
4	1	1	1	3	5	4	2	3	3	1	1	1	1	1	1	**4**
3	1	1	1	2	3	3	1	2	1	1	1	1	1	1	1	**3**
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.6	18.2	17.4	18.4	16.2	17.2	18.2	16.3	17.2	21.7	19.5	20.5	18.8	17.7	18.2	*Mean*
S.D.	5.0	5.1	5.1	7.3	7.3	7.4	7.4	7.3	7.4	6.2	5.9	6.1	5.6	5.4	5.5	*S.D.*
Sample size	M 3,931			W 4,560			T 8,491									

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	19	39	30	15	20	18	28	39	34	17	24	21	18	32	25	**A** (4)
B (3)	43	43	43	29	33	31	39	37	38	35	36	35	51	51	51	**B** (3)
C (2)	32	15	23	35	28	31	24	17	20	29	23	26	29	17	23	**C** (2)
D (1)	4	1	3	11	8	9	3	2	3	5	3	4	2	1	1	**D** (1)
F (0)	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	2	1	1	8	10	9	5	5	5	13	14	14				**Not Taken**
Mean	2.77	3.21	3.01	2.51	2.71	2.62	2.96	3.19	3.08	2.72	2.94	2.84	2.73	3.01	2.88	*Mean*
S.D.	.82	.76	.81	.95	.93	.95	.84	.80	.83	.87	.84	.86	.66	.64	.66	*S.D.*
Sample size	M 3,838			W 4,455			T 8,293									

[a]Rounded to the nearest whole letter grade

TABLE 2.12

ACT Score and High School Grade Norms for Students Enrolled in Public PhD Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	97	99	98	99	99	99	97	99	98	99	99	99	**33**
32	99	99	99	96	98	97	99	99	99	93	98	95	99	99	99	**32**
31	99	99	99	94	98	96	97	99	98	87	95	91	99	99	99	**31**
30	99	99	99	90	96	93	95	98	96	80	91	85	98	98	98	**30**
29	99	98	99	86	94	90	92	96	94	72	87	79	95	97	96	**29**
28	99	97	98	80	90	85	87	93	90	66	83	74	91	94	92	**28**
27	98	95	96	73	85	79	82	89	85	60	78	69	85	91	88	**27**
26	96	92	94	66	80	73	75	84	79	55	73	64	78	86	82	**26**
25	94	88	91	59	75	66	67	78	72	50	68	59	70	81	75	**25**
24	90	82	86	53	69	61	59	71	65	45	63	54	62	75	68	**24**
23	84	76	80	48	65	57	51	64	58	40	58	48	55	68	61	**23**
22	77	66	72	45	62	53	45	58	51	34	52	43	48	61	55	**22**
21	68	56	62	41	58	49	40	53	46	30	47	38	42	54	48	**21**
20	59	47	53	37	54	46	36	48	41	26	41	33	36	48	42	**20**
19	50	39	45	33	50	41	32	44	38	22	36	28	30	42	36	**19**
18	41	31	36	29	45	37	30	41	35	18	31	24	25	36	30	**18**
17	33	24	28	25	39	32	27	38	32	14	25	20	20	30	25	**17**
16	26	19	23	20	34	27	25	35	30	11	20	15	16	25	20	**16**
15	21	15	18	16	29	22	23	33	28	8	15	11	13	20	16	**15**
14	17	12	15	13	24	19	20	29	24	5	10	8	10	15	13	**14**
13	14	10	12	11	21	16	17	25	21	4	7	5	8	12	10	**13**
12	11	8	10	9	18	14	15	21	18	2	4	3	5	9	7	**12**
11	8	6	7	8	16	12	12	18	15	2	3	2	4	6	5	**11**
10	6	4	5	6	13	10	10	14	12	1	2	2	2	4	3	**10**
9	4	3	3	5	11	8	7	11	9	1	1	1	1	2	2	**9**
8	2	2	2	4	9	6	5	8	7	1	1	1	1	1	1	**8**
7	1	1	1	3	7	5	4	6	5	1	1	1	1	1	1	**7**
6	1	1	1	2	5	4	3	4	3	1	1	1	1	1	1	**6**
5	1	1	1	2	4	3	2	2	2	1	1	1	1	1	1	**5**
4	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.5	19.8	19.1	22.0	19.0	20.5	20.9	18.9	19.9	24.3	21.6	23.0	21.6	19.9	20.8	*Mean*
S.D.	4.7	4.9	4.8	7.0	7.3	7.3	6.9	7.1	7.1	6.0	5.9	6.1	5.3	5.4	5.4	*S.D.*

Sample size M: 6,755 W: 6,478 T: 13,233

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	28	48	38	23	25	24	39	47	43	26	30	28	29	39	34	**A** (4)
B (3)	46	40	43	33	34	33	38	35	37	37	37	37	51	49	50	**B** (3)
C (2)	22	11	16	29	26	28	16	13	15	23	19	21	19	12	16	**C** (2)
D (1)	3	1	2	9	7	8	2	1	2	4	3	3	1	0	1	**D** (1)
F (0)	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	1	0	1	5	7	6	4	3	4	10	11	10				**Not Taken**
Mean	3.00	3.36	3.18	2.71	2.83	2.77	3.19	3.32	3.26	2.92	3.07	2.99	2.95	3.14	3.04	*Mean*
S.D.	.80	.70	.78	.98	.93	.96	.80	.76	.78	.87	.82	.85	.66	.60	.64	*S.D.*

Sample size M: 6,583 W: 6,357 T: 12,940

[a]Rounded to the nearest whole letter grade

TABLE 2.13

ACT Score and High School Grade Norms for Students Enrolled In Private 2-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	96	99	98	99	99	99	**31**
30	99	99	99	98	99	99	98	99	99	94	97	96	99	99	99	**30**
29	99	99	99	97	98	98	97	99	98	90	96	93	99	99	99	**29**
28	99	99	99	95	98	96	96	97	97	86	94	90	98	99	98	**28**
27	99	99	99	93	96	95	94	96	95	82	92	88	97	98	97	**27**
26	99	97	98	90	94	92	90	93	92	78	90	85	94	96	95	**26**
25	98	96	97	87	91	89	86	90	88	74	87	81	91	94	93	**25**
24	96	93	94	83	89	86	82	86	84	71	84	78	88	91	89	**24**
23	94	89	91	81	87	84	77	83	80	67	80	74	83	87	86	**23**
22	92	84	88	78	85	82	71	79	76	62	75	69	79	84	82	**22**
21	88	78	83	75	82	79	67	75	72	57	70	64	75	80	78	**21**
20	83	71	77	74	80	77	63	71	67	53	65	60	70	76	73	**20**
19	77	63	70	70	77	74	59	68	64	48	60	55	64	70	68	**19**
18	69	55	62	66	73	70	57	66	62	43	55	50	58	65	62	**18**
17	61	47	53	61	68	65	55	63	59	37	49	43	52	59	56	**17**
16	53	40	46	53	62	58	52	60	57	30	41	36	46	54	50	**16**
15	47	35	40	45	56	51	50	57	54	24	33	29	41	48	45	**15**
14	42	31	36	39	51	46	46	53	50	18	26	22	35	42	39	**14**
13	38	27	32	33	47	41	42	49	46	12	18	16	28	35	32	**13**
12	32	23	27	28	42	36	37	45	41	9	12	10	22	28	25	**12**
11	27	19	22	23	37	31	32	39	36	7	9	8	17	21	19	**11**
10	21	15	18	18	31	26	27	33	31	5	6	6	13	15	14	**10**
9	16	11	13	15	26	21	22	27	24	4	4	4	9	9	9	**9**
8	12	7	9	12	22	17	16	21	19	4	3	3	5	5	5	**8**
7	8	5	6	10	18	14	12	16	14	3	2	2	3	3	3	**7**
6	4	3	3	7	14	11	9	12	11	2	1	1	1	1	1	**6**
5	2	1	2	5	11	8	7	8	7	1	1	1	1	1	1	**5**
4	1	1	1	4	8	6	4	5	4	1	1	1	1	1	1	**4**
3	1	1	1	3	6	5	2	3	3	1	1	1	1	1	1	**3**
2	1	1	1	2	4	3	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	14.9	16.6	15.9	16.1	14.0	14.9	16.0	14.6	15.2	20.0	18.0	18.9	16.8	15.9	16.3	*Mean*
S.D.	5.3	5.4	5.4	6.9	7.1	7.1	7.6	7.3	7.5	6.5	5.7	6.1	5.7	5.3	5.6	*S.D.*

Sample size M: 770; W: 952; T: 1,722

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	15	31	24	11	17	14	20	28	24	12	20	17	14	24	19	**A** (4)
B (3)	40	42	41	27	29	28	38	40	39	33	33	33	46	49	48	**B** (3)
C (2)	34	23	28	41	30	35	30	22	26	34	26	29	38	26	31	**C** (2)
D (1)	7	2	5	12	11	12	4	3	4	9	6	6	3	1	2	**D** (1)
F (0)	1	0	0	1	1	1	1	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	4	2	3	9	11	10	8	7	7	13	15	14				**Not Taken**
Mean	2.63	3.03	2.85	2.38	2.55	2.47	2.78	2.99	2.89	2.56	2.80	2.69	2.58	2.84	2.72	*Mean*
S.D.	.85	.81	.85	.90	.98	.95	.85	.83	.85	.86	.88	.88	.67	.67	.68	*S.D.*

Sample size M: 734; W: 905; T: 1,639

[a]Rounded to the nearest whole letter grade

TABLE 2.14

ACT Score and High School Grade Norms for Students Enrolled in Private 4-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	99	99	99	99	97	99	98	99	99	99	**33**
32	99	99	99	96	99	98	98	99	99	94	98	96	99	99	99	**32**
31	99	99	99	95	98	97	97	99	98	90	96	93	99	99	99	**31**
30	99	99	99	92	97	95	95	98	97	84	92	89	97	99	98	**30**
29	99	99	99	89	96	93	93	97	95	80	89	85	95	98	97	**29**
28	99	98	98	86	93	90	89	94	92	75	85	81	92	96	94	**28**
27	98	96	97	81	89	85	85	91	89	71	81	77	88	92	90	**27**
26	97	93	95	76	84	81	80	87	84	66	78	72	84	88	86	**26**
25	94	90	92	71	80	76	74	81	78	61	74	68	79	83	81	**25**
24	91	85	88	66	75	71	68	75	72	57	70	64	74	78	76	**24**
23	87	78	82	62	72	68	62	69	66	53	65	60	68	73	71	**23**
22	81	70	75	59	69	65	57	64	61	48	59	54	63	68	65	**22**
21	75	61	67	56	66	62	51	59	56	43	54	49	57	62	60	**21**
20	68	53	60	53	63	58	47	55	51	39	50	45	52	57	55	**20**
19	61	46	53	49	59	55	44	52	48	35	45	40	45	51	49	**19**
18	54	38	45	45	55	51	41	49	46	30	40	35	40	46	43	**18**
17	46	32	38	41	50	46	39	46	43	26	34	30	35	41	38	**17**
16	40	26	32	36	44	40	37	43	41	21	27	24	30	35	33	**16**
15	34	22	27	30	39	35	34	41	38	17	21	19	25	30	28	**15**
14	29	18	23	25	33	30	31	37	34	13	15	14	21	24	23	**14**
13	25	15	20	22	29	26	28	33	31	9	10	10	17	20	19	**13**
12	21	12	16	19	26	23	24	29	27	6	7	7	14	15	15	**12**
11	17	10	13	16	23	20	21	26	24	5	5	5	11	11	11	**11**
10	13	7	10	14	20	17	18	21	20	3	3	3	8	8	8	**10**
9	10	6	8	12	16	14	14	17	16	3	2	3	6	5	5	**9**
8	7	4	5	10	14	12	11	12	12	2	2	2	4	3	3	**8**
7	5	2	3	8	11	10	9	9	9	1	1	1	2	1	2	**7**
6	3	1	2	6	9	8	7	6	6	1	1	1	1	1	1	**6**
5	1	1	1	5	6	6	5	4	5	1	1	1	1	1	1	**5**
4	1	1	1	3	4	4	3	3	3	1	1	1	1	1	1	**4**
3	1	1	1	2	3	2	2	2	2	1	1	1	1	1	1	**3**
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.9	18.9	18.0	19.3	17.3	18.2	18.8	17.5	18.1	22.2	20.5	21.2	19.4	18.7	19.0	*Mean*
S.D.	5.5	5.3	5.5	7.9	7.7	7.8	7.9	7.5	7.7	6.8	6.2	6.5	6.2	5.8	6.0	*S.D.*

Sample size M 1,774; W 2,233; T 4,007

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	24	43	34	18	21	20	29	39	35	20	24	22	22	34	29	**A** (4)
B (3)	41	41	41	30	32	31	38	37	38	31	37	34	49	48	49	**B** (3)
C (2)	29	15	21	31	28	29	24	17	20	30	22	26	27	17	21	**C** (2)
D (1)	4	1	2	10	8	8	3	2	3	5	3	4	2	1	1	**D** (1)
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	3	1	2	9	10	10	6	4	5	12	14	13				**Not Taken**
Mean	2.87	3.26	3.09	2.60	2.74	2.68	2.98	3.18	3.09	2.75	2.95	2.86	2.80	3.03	2.93	*Mean*
S.D.	.83	.75	.81	.97	.94	.95	.84	.81	.83	.90	.82	.86	.68	.64	.67	*S.D.*

Sample size M 1,712; W 2,176; T 3,888

[a]Rounded to the nearest whole letter grade

TABLE 2.15

ACT Score and High School Grade Norms for Students Enrolled in Private Master's Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	98	99	99	99	97	99	98	99	99	99	**33**
32	99	99	99	96	98	97	98	99	99	93	97	95	99	99	99	**32**
31	99	99	99	95	97	96	96	98	97	88	94	91	99	99	99	**31**
30	99	98	99	93	96	94	94	97	95	83	91	87	98	97	97	**30**
29	99	96	98	89	94	91	92	95	93	76	88	82	95	96	95	**29**
28	99	94	96	82	91	87	88	92	90	71	84	78	90	93	92	**28**
27	98	92	95	75	87	81	82	88	85	66	80	73	85	89	87	**27**
26	96	89	92	68	82	75	74	84	79	60	75	68	79	85	82	**26**
25	94	85	89	61	77	69	66	78	72	53	69	62	73	80	77	**25**
24	90	80	85	55	72	64	58	71	65	49	65	57	67	76	71	**24**
23	84	74	79	51	69	60	51	64	58	45	60	53	59	70	65	**23**
22	78	66	72	49	66	58	46	58	52	41	56	48	51	63	57	**22**
21	71	57	64	47	62	55	41	53	48	36	51	44	46	57	51	**21**
20	63	49	56	44	58	51	37	49	43	32	46	39	41	52	46	**20**
19	54	41	48	40	53	47	34	45	40	28	41	35	36	47	42	**19**
18	46	34	40	36	48	42	33	42	38	24	36	30	31	40	36	**18**
17	38	27	32	32	43	38	31	40	36	20	31	25	26	34	30	**17**
16	30	22	26	26	38	32	30	38	34	16	25	21	22	29	26	**16**
15	23	18	21	21	33	27	28	36	32	12	19	16	17	24	21	**15**
14	19	15	17	17	28	23	26	32	29	9	13	11	14	20	17	**14**
13	16	13	14	16	24	20	22	29	26	6	8	7	12	15	14	**13**
12	13	11	12	14	20	17	18	27	23	4	5	5	10	11	11	**12**
11	10	8	9	12	17	14	16	23	20	3	3	3	8	8	8	**11**
10	8	6	7	10	14	12	13	20	17	3	2	2	6	5	5	**10**
9	7	4	5	8	11	10	10	15	13	2	2	2	4	3	3	**9**
8	5	3	4	7	9	8	8	11	9	2	1	2	2	2	2	**8**
7	4	1	3	5	7	6	6	7	7	1	1	1	1	1	1	**7**
6	3	1	2	4	5	5	4	5	5	1	1	1	1	1	1	**6**
5	2	1	1	3	4	3	4	3	4	1	1	1	1	1	1	**5**
4	1	1	1	2	3	2	3	2	2	1	1	1	1	1	1	**4**
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.0	19.7	18.9	21.0	18.4	19.7	20.4	18.5	19.4	23.3	21.1	22.1	20.8	19.5	20.1	*Mean*
S.D.	5.1	5.4	5.4	7.5	7.3	7.5	7.6	7.6	7.7	6.6	6.2	6.5	5.9	5.8	5.9	*S.D.*

Sample size M: 729; W: 775; T: 1,504

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	32	44	38	25	26	26	41	42	41	28	30	29	31	37	34	**A** (4)
B (3)	43	42	43	32	33	32	36	38	37	35	35	35	50	49	49	**B** (3)
C (2)	21	11	16	28	26	27	17	13	15	23	21	22	19	13	16	**C** (2)
D (1)	3	2	2	8	9	8	2	2	2	3	3	3	1	1	1	**D** (1)
F (0)	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0	**F** (0)
Not Taken	1	0	1	5	6	6	4	5	5	10	11	11				**Not Taken**
Mean	3.05	3.29	3.18	2.77	2.78	2.78	3.21	3.25	3.23	2.97	3.02	2.99	2.99	3.07	3.03	*Mean*
S.D.	.81	.74	.79	.97	.97	.97	.80	.79	.79	.86	.86	.86	.66	.63	.65	*S.D.*

Sample size M: 714; W: 756; T: 1,470

[a]Rounded to the nearest whole letter grade

TABLE 2.16

ACT Score and High School Grade Norms for Students Enrolled in Private PhD Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	**34**
33	99	99	99	96	99	98	99	99	99	95	99	97	99	99	99	**33**
32	99	99	99	94	99	96	98	99	99	91	97	94	99	99	99	**32**
31	99	99	99	92	98	95	96	99	97	84	94	89	98	99	99	**31**
30	99	99	99	88	96	92	92	98	95	77	90	84	96	98	97	**30**
29	99	98	99	82	94	88	88	96	92	70	86	78	92	97	95	**29**
28	98	97	97	75	90	83	84	93	89	64	82	73	87	94	91	**28**
27	96	95	96	67	85	76	78	89	84	59	78	69	81	90	86	**27**
26	94	92	93	59	80	70	71	84	78	54	75	64	75	86	80	**26**
25	91	88	90	52	75	64	62	78	70	48	71	60	66	81	74	**25**
24	87	82	84	46	70	59	53	72	63	44	67	56	58	74	67	**24**
23	81	75	78	43	67	55	46	65	56	39	62	51	51	69	60	**23**
22	73	66	69	40	63	52	40	59	50	34	56	45	44	63	54	**22**
21	64	55	59	38	60	49	36	54	45	30	51	41	38	56	47	**21**
20	56	47	51	35	56	46	31	49	40	26	46	36	32	50	41	**20**
19	48	40	44	31	52	42	28	46	37	22	40	31	27	44	36	**19**
18	40	34	37	27	47	38	26	43	35	18	35	27	23	38	31	**18**
17	32	29	30	23	41	33	24	40	32	15	31	23	20	32	26	**17**
16	26	24	25	19	36	28	22	38	30	12	26	19	16	28	22	**16**
15	21	21	21	15	31	23	21	35	28	9	21	15	13	25	19	**15**
14	18	19	18	13	25	19	18	32	25	7	17	12	10	21	16	**14**
13	15	17	16	10	21	16	16	28	23	5	12	9	8	18	13	**13**
12	13	14	14	9	19	14	14	25	20	3	9	6	6	14	10	**12**
11	11	12	11	7	16	12	12	22	17	2	7	5	5	11	8	**11**
10	8	10	9	5	13	10	10	18	14	1	5	3	3	9	6	**10**
9	6	8	7	4	11	8	8	14	11	1	4	3	2	6	4	**9**
8	4	6	5	3	9	6	7	11	9	1	3	2	2	4	3	**8**
7	3	4	4	2	8	5	5	9	7	1	3	2	1	2	2	**7**
6	2	3	2	1	6	4	3	8	6	1	2	1	1	1	1	**6**
5	1	1	1	1	5	3	2	6	4	1	1	1	1	1	1	**5**
4	1	1	1	1	3	2	1	4	3	1	1	1	1	1	1	**4**
3	1	1	1	1	3	2	1	2	2	1	1	1	1	1	1	**3**
2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.6	19.1	18.9	22.7	18.7	20.6	21.5	18.3	19.9	24.4	20.8	22.5	22.0	19.4	20.6	*Mean*
S.D.	5.3	5.7	5.5	7.0	7.5	7.5	7.2	7.6	7.6	6.4	6.7	6.8	5.6	6.1	6.0	*S.D.*

Sample size M 856 W 914 T 1,770

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	35	49	42	28	29	29	44	48	46	30	35	32	35	43	39	**A** (4)
B (3)	46	40	43	36	36	36	37	33	35	34	35	34	50	46	48	**B** (3)
C (2)	17	10	13	25	25	25	15	12	14	23	20	22	14	10	12	**C** (2)
D (1)	1	0	1	6	6	6	1	2	2	4	3	3	0	0	0	**D** (1)
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	0	1	1	4	4	4	3	4	4	9	8	8				**Not Taken**
Mean	3.15	3.39	3.27	2.88	2.91	2.90	3.27	3.33	3.30	2.97	3.10	3.04	3.06	3.18	3.12	*Mean*
S.D.	.76	.67	.72	.93	.92	.92	.77	.79	.78	.90	.84	.87	.63	.63	.63	*S.D.*

Sample size M 830 W 881 T 1,711

[a]Rounded to the nearest whole letter grade

TABLE 2.17

ACT Score and High School Grade Norms for Students Enrolled in West Coast Region Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	96	99	98	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	93	98	96	99	99	99	**31**
30	99	99	99	98	99	98	98	99	99	90	96	93	99	99	99	**30**
29	99	99	99	96	98	97	96	98	97	85	93	89	99	99	99	**29**
28	99	99	99	93	97	95	95	97	96	79	90	85	97	99	98	**28**
27	99	98	98	90	95	92	91	95	93	74	87	80	95	97	96	**27**
26	99	96	97	86	93	89	86	92	89	69	83	76	91	95	93	**26**
25	98	93	96	81	90	86	81	88	84	65	79	72	87	92	89	**25**
24	97	90	93	76	88	82	75	83	79	60	76	68	82	88	85	**24**
23	94	86	90	73	85	79	68	78	73	56	72	64	76	85	81	**23**
22	90	80	84	70	82	76	62	73	68	51	67	59	71	80	75	**22**
21	85	72	78	67	80	74	57	68	63	46	63	55	65	74	70	**21**
20	79	64	71	64	77	71	52	64	58	42	58	50	59	68	64	**20**
19	72	57	64	60	74	67	48	61	54	36	52	44	53	62	58	**19**
18	63	49	56	55	70	63	45	58	52	31	45	38	46	57	52	**18**
17	54	41	47	50	66	58	42	55	49	25	39	32	40	51	46	**17**
16	46	35	40	44	59	52	39	52	46	21	32	27	34	45	40	**16**
15	39	30	35	36	52	44	36	50	43	17	25	21	29	38	34	**15**
14	35	26	30	30	44	37	33	46	40	12	17	15	24	32	28	**14**
13	30	23	27	25	39	32	29	42	36	9	12	10	19	26	22	**13**
12	26	19	22	22	35	28	26	37	32	7	8	7	15	20	18	**12**
11	22	15	18	19	31	25	23	32	27	5	6	6	11	15	13	**11**
10	17	11	14	15	26	21	19	27	23	4	5	4	9	10	9	**10**
9	13	8	10	13	21	17	14	21	18	3	4	3	6	7	6	**9**
8	8	5	6	11	18	15	11	16	14	2	3	2	4	4	4	**8**
7	5	3	4	9	14	12	8	12	10	1	2	2	2	2	2	**7**
6	3	1	2	7	11	9	6	9	7	1	1	1	1	1	1	**6**
5	2	1	1	6	8	7	4	6	5	1	1	1	1	1	1	**5**
4	1	1	1	5	6	5	3	4	3	1	1	1	1	1	1	**4**
3	1	1	1	4	4	4	2	2	2	1	1	1	1	1	1	**3**
2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	15.8	17.5	16.7	17.5	14.9	16.1	18.0	15.8	16.9	21.7	19.4	20.5	18.3	17.0	17.7	*Mean*
S.D.	5.2	5.3	5.3	7.3	6.9	7.2	7.4	7.4	7.5	6.5	6.0	6.3	5.6	5.5	5.6	*S.D.*

Sample size M 1,055 W 1,122 T 2,177

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	19	39	29	14	16	15	22	31	27	16	25	20	15	25	20	**A** (4)
B (3)	39	40	39	25	30	28	39	40	40	32	32	32	51	53	52	**B** (3)
C (2)	33	18	26	40	33	36	28	22	25	33	26	29	31	20	26	**C** (2)
D (1)	5	2	3	11	10	10	4	2	3	6	3	4	3	1	2	**D** (1)
F (0)	1	0	0	1	1	1	1	0	1		0	1	0	0	0	**F** (0)
Not Taken	3	2	2	9	11	10	6	5	5	2	14	13				**Not Taken**
Mean	2.73	3.17	2.96	2.43	2.57	2.50	2.82	3.04	2.94	2.64	2.91	2.78	2.65	2.91	2.78	*Mean*
S.D.	.86	.79	.85	.93	.93	.94	.88	.81	.85	.89	.86	.88	.68	.63	.66	*S.D.*

Sample size M 1,022 W 1,079 T 2,101

[a]Rounded to the nearest whole letter grade.

TABLE 2.18

ACT Score and High School Grade Norms for Students Enrolled in Rocky Mountains/Great Plains Region Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	97	99	98	99	99	99	97	99	98	99	99	99	**33**
32	99	99	99	96	99	98	99	99	99	93	98	95	99	99	99	**32**
31	99	99	99	94	98	96	97	99	98	88	95	92	99	99	99	**31**
30	99	99	99	92	97	95	95	98	97	81	92	87	98	99	98	**30**
29	99	98	99	88	96	92	93	96	95	75	88	82	96	98	97	**29**
28	99	98	98	83	93	88	89	94	92	69	84	76	92	96	94	**28**
27	98	96	97	77	89	83	85	91	88	63	80	72	87	93	90	**27**
26	97	94	95	71	84	77	78	87	83	58	76	67	81	89	85	**26**
25	95	91	93	64	78	71	71	82	77	52	71	62	74	84	79	**25**
24	92	86	89	59	73	66	64	77	70	48	67	58	68	79	74	**24**
23	87	80	83	55	70	63	57	70	64	43	62	53	61	73	67	**23**
22	80	72	76	52	67	60	50	65	58	38	56	47	54	68	61	**22**
21	72	63	67	49	64	57	45	59	52	34	51	43	48	62	55	**21**
20	64	54	59	46	60	53	40	54	47	30	46	38	43	55	49	**20**
19	56	46	51	42	56	49	37	50	44	26	40	33	37	49	43	**19**
18	48	37	42	38	52	45	35	48	42	21	35	29	32	43	38	**18**
17	40	29	34	33	46	40	32	45	39	18	30	24	27	37	32	**17**
16	33	24	28	28	41	35	30	42	36	14	23	18	23	31	27	**16**
15	28	19	24	24	35	30	28	39	34	10	17	13	19	25	22	**15**
14	24	16	20	20	30	25	25	35	30	7	11	9	15	20	18	**14**
13	20	13	17	17	26	22	21	31	26	4	7	6	11	15	13	**13**
12	17	11	14	15	23	19	18	27	23	3	4	4	8	11	10	**12**
11	13	8	10	12	20	16	15	23	19	2	3	2	6	8	7	**11**
10	9	5	7	10	17	14	13	18	16	1	2	1	4	5	5	**10**
9	7	4	5	8	14	11	10	14	12	1	1	1	3	3	3	**9**
8	4	2	3	7	11	9	7	10	9	1	1	1	2	1	2	**8**
7	3	1	2	5	9	7	5	7	6	1	1	1	1	1	1	**7**
6	2	1	1	4	6	5	4	5	4	1	1	1	1	1	1	**6**
5	1	1	1	3	5	4	2	3	3	1	1	1	1	1	1	**5**
4	1	1	1	2	3	2	1	2	1	1	1	1	1	1	1	**4**
3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	17.6	19.0	18.3	20.6	17.8	19.2	20.0	17.8	18.9	23.8	21.1	22.4	20.6	19.1	19.8	*Mean*
S.D.	5.1	5.0	5.1	7.6	7.4	7.6	7.2	7.2	7.3	6.2	5.9	6.2	5.7	5.5	5.6	*S.D.*

Sample size M 3,236; W 3,404; T 6,640

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	29	46	38	23	23	23	36	44	40	25	29	27	29	37	33	**A** (4)
B (3)	42	40	41	30	33	32	37	36	36	34	34	34	47	49	48	**B** (3)
C (2)	25	12	18	30	27	29	20	15	18	25	21	23	22	13	18	**C** (2)
D (1)	3	1	2	9	6	8	3	2	2	4	3	3	2	1	1	**D** (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	1	1	1	7	10	9	4	3	3	11	13	12				**Not Taken**
Mean	2.97	3.33	3.16	2.71	2.79	2.75	3.10	3.25	3.18	2.90	3.03	2.97	2.92	3.10	3.01	*Mean*
S.D.	.83	.72	.80	.98	.92	.95	.85	.80	.82	.88	.84	.87	.70	.63	.67	*S.D.*

Sample size M 3,125; W 3,305; T 6,430

[a]Rounded to the nearest whole letter grade

TABLE 2.19

ACT Score and High School Grade Norms for Students Enrolled in Southwest Region Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	**32**
31	99	99	99	98	99	99	99	99	99	94	97	96	99	99	99	**31**
30	99	99	99	97	99	98	98	99	98	91	95	93	99	99	99	**30**
29	99	99	99	95	98	97	96	98	97	87	93	90	98	99	99	**29**
28	99	99	99	93	97	95	94	97	95	82	90	86	97	98	97	**28**
27	99	98	98	90	95	93	91	95	93	78	88	83	94	96	95	**27**
26	98	96	97	87	92	90	87	92	89	74	85	80	91	94	93	**26**
25	96	94	95	82	89	86	82	88	85	69	82	76	87	91	89	**25**
24	95	90	92	78	85	82	76	84	80	65	79	72	83	87	85	**24**
23	92	86	89	74	82	78	70	80	75	61	75	68	78	83	81	**23**
22	88	79	84	71	80	75	65	75	70	56	70	63	73	79	76	**22**
21	83	71	77	68	77	73	60	70	65	52	66	59	67	74	71	**21**
20	77	63	70	65	74	70	56	65	61	47	61	54	62	69	66	**20**
19	70	56	63	61	71	66	52	62	58	42	56	49	56	64	60	**19**
18	62	48	55	57	67	62	50	60	55	37	51	44	50	59	55	**18**
17	54	41	47	52	62	57	48	57	53	32	45	39	45	53	49	**17**
16	47	35	41	45	56	51	46	55	50	27	37	32	39	47	43	**16**
15	40	29	35	39	49	44	43	52	48	21	29	25	34	40	37	**15**
14	35	25	30	33	43	38	40	48	44	15	21	18	29	34	31	**14**
13	30	21	26	28	38	33	36	43	40	11	14	13	24	28	26	**13**
12	26	17	21	25	34	30	32	39	36	7	9	8	18	22	20	**12**
11	21	14	17	21	30	26	28	34	31	6	6	6	14	16	15	**11**
10	16	11	13	18	25	22	24	29	26	4	5	4	10	12	11	**10**
9	12	8	10	15	21	18	19	24	21	3	4	3	7	8	7	**9**
8	8	6	7	13	18	15	14	19	17	2	3	2	4	4	4	**8**
7	6	4	5	10	14	12	11	14	13	1	2	1	2	2	2	**7**
6	4	2	3	7	11	9	8	10	9	1	1	1	1	1	1	**6**
5	2	1	2	5	8	7	6	7	6	1	1	1	1	1	1	**5**
4	1	1	1	4	6	5	3	4	4	1	1	1	1	1	1	**4**
3	1	1	1	3	4	3	2	2	2	1	1	1	1	1	1	**3**
2	1	1	1	2	3	2	1	2	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	15.9	17.6	16.8	17.2	15.2	16.2	17.1	15.4	16.3	20.9	18.9	19.8	17.9	16.9	17.4	*Mean*
S.D.	5.3	5.4	5.4	7.4	7.1	7.3	7.8	7.5	7.7	6.5	6.0	6.3	5.9	5.6	5.8	*S.D.*
Sample size	M: 3,933			W: 4,245			T: 8,178									

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	20	39	30	16	21	19	29	40	35	18	25	22	20	33	27	**A** (4)
B (3)	40	41	41	29	32	31	37	34	36	33	35	34	48	48	48	**B** (3)
C (2)	32	16	24	36	29	32	24	18	21	31	22	26	30	18	24	**C** (2)
D (1)	5	1	3	11	8	9	3	2	3	5	3	4	2	1	1	**D** (1)
F (0)	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	2	2	2	7	9	8	6	6	6	13	14	13				**Not Taken**
Mean	2.76	3.20	2.99	2.52	2.73	2.63	2.97	3.18	3.08	2.71	2.95	2.83	2.73	3.01	2.88	*Mean*
S.D.	.85	.78	.84	.95	.94	.95	.86	.83	.85	.86	.85	.87	.68	.65	.68	*S.D.*
Sample size	M: 3,788			W: 4,099			T: 7,887									

[a]Rounded to the nearest whole letter grade

TABLE 2.20

ACT Score and High School Grade Norms for Students Enrolled in Midwest Region Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	97	99	98	99	99	99	97	99	98	99	99	99	**33**
32	99	99	99	96	98	97	99	99	99	94	98	96	99	99	99	**32**
31	99	99	99	94	98	96	97	99	98	89	96	93	99	99	99	**31**
30	99	99	99	91	96	94	95	98	97	83	93	88	98	99	98	**30**
29	99	98	99	87	94	91	93	97	95	77	89	83	95	97	96	**29**
28	99	97	98	81	91	86	89	94	92	72	85	79	92	95	94	**28**
27	98	96	97	75	86	81	84	90	87	67	81	74	88	92	90	**27**
26	97	94	95	69	82	76	78	86	82	62	77	70	82	88	85	**26**
25	95	90	92	63	77	70	71	80	75	56	72	64	75	83	79	**25**
24	91	85	88	57	73	65	64	73	69	51	67	59	68	77	73	**24**
23	86	78	82	53	69	62	57	67	62	46	62	54	62	72	67	**23**
22	80	70	75	50	66	58	51	61	56	41	56	49	55	65	60	**22**
21	73	60	66	47	62	55	45	56	51	36	50	44	49	59	54	**21**
20	64	51	58	43	59	51	41	52	46	32	45	39	43	53	48	**20**
19	56	44	50	40	54	47	38	48	43	27	40	34	37	47	42	**19**
18	48	37	42	36	50	43	35	45	40	23	35	29	32	41	36	**18**
17	40	29	34	31	44	38	32	42	37	19	29	24	27	35	31	**17**
16	33	24	29	26	39	32	30	39	35	14	23	19	22	30	26	**16**
15	28	20	24	21	34	28	28	36	32	11	17	14	18	25	21	**15**
14	23	16	20	18	29	24	25	33	29	7	12	10	14	20	17	**14**
13	19	13	16	15	25	21	22	29	25	5	8	7	11	15	13	**13**
12	16	10	13	13	22	18	18	25	22	3	5	4	8	11	10	**12**
11	12	8	10	11	19	15	15	21	18	2	4	3	6	8	7	**11**
10	9	6	7	9	16	13	12	17	15	2	3	2	4	5	4	**10**
9	6	4	5	7	13	10	9	13	11	1	2	2	2	3	3	**9**
8	4	3	3	6	11	8	7	10	8	1	1	1	1	2	2	**8**
7	2	2	2	5	9	7	5	7	6	1	1	1	1	1	1	**7**
6	1	1	1	3	6	5	3	5	4	1	1	1	1	1	1	**6**
5	1	1	1	2	5	4	2	3	3	1	1	1	1	1	1	**5**
4	1	1	1	2	3	3	1	2	2	1	1	1	1	1	1	**4**
3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	17.7	19.2	18.4	21.0	18.2	19.5	20.0	18.2	19.1	23.3	21.0	22.1	20.6	19.3	19.9	*Mean*
S.D.	5.1	5.1	5.1	7.4	7.6	7.6	7.2	7.3	7.3	6.2	6.0	6.2	5.6	5.6	5.6	*S.D.*

Sample size M 7,677; W 8,420; T 16,097

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	23	42	33	18	21	20	31	39	35	21	24	22	22	32	27	**A** (4)
B (3)	45	43	44	31	33	32	39	38	39	34	38	36	51	52	51	**B** (3)
C (2)	26	13	19	32	28	30	22	17	19	27	23	25	26	16	21	**C** (2)
D (1)	4	1	2	11	8	9	3	2	3	5	3	4	1	0	1	**D** (1)
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	2	1	1	7	9	8	5	4	4	13	12	12				**Not Taken**
Mean	2.88	3.26	3.08	2.59	2.73	2.66	3.02	3.18	3.11	2.80	2.93	2.87	2.82	3.02	2.92	*Mean*
S.D.	.81	.73	.79	.97	.93	.95	.84	.80	.82	.87	.83	.85	.67	.62	.65	*S.D.*

Sample size M 7,514; W 8,261; T 15,775

[a]Rounded to the nearest whole letter grade.

TABLE 2.21

ACT Score and High School Grade Norms for Students Enrolled in South/Southeast Region Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	**32**
31	99	99	99	98	99	99	99	99	99	94	98	96	99	99	99	**31**
30	99	99	99	97	99	98	97	99	98	90	97	94	99	99	99	**30**
29	99	99	99	95	98	97	96	98	97	86	95	90	98	99	98	**29**
28	99	98	99	92	97	95	93	97	95	81	93	87	96	98	97	**28**
27	99	97	98	89	94	92	90	95	93	78	90	84	93	96	95	**27**
26	98	96	97	84	92	88	86	92	89	74	87	81	90	94	92	**26**
25	96	93	95	79	89	84	81	88	85	70	84	77	86	92	89	**25**
24	94	90	92	75	85	80	76	84	80	66	81	74	81	89	85	**24**
23	90	85	88	71	83	77	70	79	75	61	77	69	76	85	81	**23**
22	86	78	82	68	80	75	65	75	70	56	72	65	71	80	76	**22**
21	80	71	75	65	77	72	60	71	66	52	68	60	65	75	70	**21**
20	74	63	68	62	75	68	56	67	62	47	63	56	60	70	65	**20**
19	67	56	61	57	71	65	52	63	58	42	58	50	54	64	60	**19**
18	59	47	53	53	67	60	50	61	56	37	53	45	49	58	54	**18**
17	50	40	45	48	61	55	47	58	53	31	46	39	43	53	48	**17**
16	43	34	38	42	55	49	44	55	50	25	38	32	38	47	43	**16**
15	37	28	32	35	49	43	42	52	47	19	30	25	32	41	36	**15**
14	32	25	28	30	44	37	39	48	44	14	22	18	26	34	31	**14**
13	28	21	24	26	39	33	34	44	39	10	15	13	21	28	25	**13**
12	23	17	20	22	35	29	30	39	35	7	10	9	16	23	20	**12**
11	18	14	16	19	31	26	26	35	31	5	7	6	12	17	15	**11**
10	14	11	12	16	27	22	22	30	26	3	5	4	8	12	10	**10**
9	10	8	9	13	22	18	18	24	21	3	4	3	6	8	7	**9**
8	7	6	6	11	19	15	14	19	17	2	3	2	4	5	4	**8**
7	4	4	4	9	15	12	11	14	12	1	2	1	2	2	2	**7**
6	3	2	3	7	12	9	8	10	9	1	1	1	1	1	1	**6**
5	2	1	1	5	9	7	5	7	6	1	1	1	1	1	1	**5**
4	1	1	1	4	6	5	3	4	4	1	1	1	1	1	1	**4**
3	1	1	1	3	4	3	2	2	2	1	1	1	1	1	1	**3**
2	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.3	17.7	17.0	17.8	15.1	16.4	17.3	15.4	16.3	21.0	18.5	19.7	18.2	16.8	17.5	*Mean*
S.D.	5.3	5.5	5.4	7.4	7.2	7.4	7.7	7.5	7.6	6.5	5.8	6.3	5.9	5.6	5.8	*S.D.*

Sample size M: 4,013; W: 4,523; T: 8,536.

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	18	35	27	16	20	18	28	36	32	17	24	21	19	30	25	**A** (4)
B (3)	40	43	42	30	32	31	36	37	36	33	35	34	48	50	49	**B** (3)
C (2)	34	18	26	33	28	31	25	18	22	29	22	25	32	19	25	**C** (2)
D (1)	5	2	3	12	8	10	4	2	3	6	4	5	2	1	1	**D** (1)
F (0)	0	0	0	2	1	1	0	0	0	1	0	1	0	0	0	**F** (0)
Not Taken	2	1	2	8	10	9	7	7	7	14	15	15				**Not Taken**
Mean	2.71	3.13	2.94	2.51	2.70	2.61	2.94	3.14	3.05	2.68	2.92	2.81	2.70	2.97	2.85	*Mean*
S.D.	.84	.78	.83	.97	.95	.96	.87	.82	.85	.90	.86	.89	.69	.66	.68	*S.D.*

Sample size M: 3,859; W: 4,400; T: 8,259.

[a]Rounded to the nearest whole letter grade.

TABLE 2.22

ACT Score and High School Grade Norms for Students Enrolled in East/Northeast Region Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	98	99	99	99	99	99	96	99	98	99	99	99	**32**
31	99	99	99	97	99	98	98	99	99	93	97	95	99	99	99	**31**
30	99	99	99	96	99	97	97	99	98	90	96	93	99	99	99	**30**
29	99	99	99	94	98	96	95	98	97	86	94	90	98	99	98	**29**
28	99	98	99	91	96	94	93	97	95	82	92	87	95	98	97	**28**
27	99	98	98	87	94	90	89	95	92	77	89	84	93	96	94	**27**
26	98	96	97	82	91	87	84	92	88	73	86	80	89	94	92	**26**
25	97	94	95	78	88	83	79	88	84	69	83	76	84	91	88	**25**
24	94	91	93	74	84	79	73	84	79	65	80	73	80	88	84	**24**
23	91	88	89	70	81	76	67	80	74	60	76	69	75	84	80	**23**
22	87	82	84	66	79	73	61	75	69	55	72	64	69	79	75	**22**
21	82	74	78	63	76	70	56	70	64	51	67	60	64	75	70	**21**
20	76	68	72	60	74	67	52	66	59	46	63	55	59	70	65	**20**
19	69	61	65	56	71	64	49	63	56	41	57	50	54	65	60	**19**
18	62	53	57	52	67	60	46	60	54	36	52	44	49	60	55	**18**
17	55	46	50	47	62	55	44	57	51	31	45	39	43	54	49	**17**
16	48	39	43	41	55	48	41	55	48	26	38	32	37	48	43	**16**
15	42	33	37	35	48	42	39	52	46	20	31	26	32	42	37	**15**
14	37	29	33	30	41	36	36	48	43	15	24	19	26	36	31	**14**
13	32	25	29	26	36	31	33	44	39	11	16	13	21	29	25	**13**
12	27	21	24	22	32	27	29	40	35	8	11	9	16	23	20	**12**
11	22	17	20	18	28	24	25	35	30	6	8	7	12	17	15	**11**
10	17	14	15	15	24	20	21	29	25	4	6	5	9	12	10	**10**
9	14	10	12	12	20	16	16	24	20	4	5	4	6	7	7	**9**
8	10	7	8	10	17	14	13	18	16	3	4	3	4	5	4	**8**
7	7	4	5	8	14	11	10	14	12	2	3	2	3	3	3	**7**
6	4	3	3	6	11	9	7	10	9	1	2	2	1	2	2	**6**
5	2	1	2	4	8	6	5	7	6	1	1	1	1	1	1	**5**
4	1	1	1	3	6	5	3	4	4	1	1	1	1	1	1	**4**
3	1	1	1	3	4	4	2	2	2	1	1	1	1	1	1	**3**
2	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	15.8	17.0	16.4	18.1	15.4	16.7	17.9	15.4	16.6	21.0	18.5	19.7	18.3	16.7	17.5	*Mean*
S.D.	5.5	5.6	5.6	7.5	7.2	7.5	7.8	7.4	7.7	6.7	6.1	6.5	6.0	5.7	5.9	*S.D.*

Sample size M: 1,636. W: 1,813. T: 3,449

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	19	32	26	17	19	18	27	31	29	16	18	17	17	25	21	**A** (4)
B (3)	44	47	45	30	34	32	40	40	40	33	36	35	51	54	53	**B** (3)
C (2)	30	18	23	33	29	31	26	22	24	30	28	29	30	20	25	**C** (2)
D (1)	4	2	3	10	9	9	4	3	3	6	3	5	2	1	1	**D** (1)
F (0)	1	0	0	3	1	2	0	0	0	1	0	1	0	0	0	**F** (0)
Not Taken	2	2	2	8	9	9	4	4	4	14	14	14				**Not Taken**
Mean	2.79	3.11	2.96	2.54	2.68	2.62	2.93	3.03	2.98	2.67	2.79	2.73	2.72	2.90	2.82	*Mean*
S.D.	.83	.75	.81	1.00	.93	.97	.84	.83	.84	.88	.83	.86	.66	.64	.66	*S.D.*

Sample size M: 1,548. W: 1,728. T: 3,276

[a]Rounded to the nearest whole letter grade.

TABLE 2.23

ACT Score and High School Grade Norms for Students Enrolled in West Coast Region 2-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	97	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	96	99	98	99	99	99	**31**
30	99	99	99	99	99	99	99	99	99	93	97	95	99	99	99	**30**
29	99	99	99	99	99	99	98	99	99	89	95	92	99	99	99	**29**
28	99	99	99	97	98	97	97	98	98	83	94	89	99	99	99	**28**
27	99	99	99	94	97	96	95	97	96	78	92	85	98	99	98	**27**
26	99	99	99	91	95	93	91	95	93	73	89	82	95	98	97	**26**
25	99	97	98	86	93	90	87	92	89	70	86	78	92	95	94	**25**
24	98	94	96	82	92	87	82	88	85	66	82	75	89	93	91	**24**
23	96	92	94	79	90	85	76	85	81	61	79	70	83	90	87	**23**
22	94	88	91	76	88	82	71	82	77	57	75	66	78	87	83	**22**
21	91	82	86	73	86	80	66	78	72	53	71	62	73	83	78	**21**
20	86	75	80	71	84	78	61	74	68	48	66	58	67	77	73	**20**
19	80	68	74	67	81	74	56	71	64	42	60	52	62	73	68	**19**
18	72	60	65	63	77	71	54	68	61	36	54	46	56	67	62	**18**
17	63	51	57	59	72	66	52	65	59	31	47	39	49	61	56	**17**
16	55	44	49	53	66	60	48	62	56	26	38	33	43	56	50	**16**
15	47	39	43	45	58	52	45	60	53	21	30	26	36	49	43	**15**
14	43	34	38	37	51	45	42	56	49	16	21	19	31	42	37	**14**
13	38	30	34	32	45	39	38	51	45	12	14	13	26	34	30	**13**
12	34	25	29	29	41	36	34	46	41	9	10	9	21	26	24	**12**
11	29	20	24	25	37	31	31	40	36	7	8	7	17	19	18	**11**
10	23	15	18	21	30	26	26	34	30	5	6	5	13	13	13	**10**
9	17	10	13	17	24	21	20	27	24	4	5	4	10	9	9	**9**
8	11	6	8	14	20	17	16	22	19	3	4	3	6	5	6	**8**
7	7	3	5	12	17	15	12	16	14	2	2	2	4	3	3	**7**
6	5	1	3	10	12	11	9	12	11	1	1	1	2	2	2	**6**
5	3	1	2	8	9	8	7	9	8	1	1	1	1	1	1	**5**
4	2	1	1	6	7	7	5	6	5	1	1	1	1	1	1	**4**
3	1	1	1	5	5	5	3	4	3	1	1	1	1	1	1	**3**
2	1	1	1	4	3	3	2	2	2	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	14.6	16.2	15.4	16.0	13.7	14.8	16.3	14.1	15.1	20.7	18.3	19.4	17.0	15.7	16.3	*Mean*
S.D.	5.1	5.1	5.2	7.2	6.5	6.9	7.5	7.1	7.3	6.5	5.6	6.2	5.6	5.1	5.4	*S.D.*

Sample size M: 495; W: 570; T: 1,065

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	14	32	24	10	13	11	17	23	20	12	18	16	10	17	14	**A** (4)
B (3)	39	43	42	24	29	27	38	44	42	30	33	32	48	57	53	**B** (3)
C (2)	37	21	29	44	36	40	34	26	30	37	30	33	39	25	31	**C** (2)
D (1)	6	2	4	13	10	11	6	3	4	8	3	5	3	1	2	**D** (1)
F (0)	1	0	0	1	1	1	1	1	1	1	0	1	0	0	0	**F** (0)
Not Taken	2	1	2	7	10	9	3	4	4	12	15	14				**Not Taken**
Mean	2.62	3.07	2.86	2.31	2.47	2.40	2.67	2.90	2.79	2.51	2.78	2.65	2.52	2.79	2.66	*Mean*
S.D.	.83	.79	.84	.89	.91	.91	.88	.81	.85	.88	.83	.87	.64	.59	.63	*S.D.*

Sample size M: 483; W: 543; T: 1,026

[a]Rounded to the nearest whole letter grade

TABLE 2.24

ACT Score and High School Grade Norms for Students Enrolled in West Coast Region 4-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	98	99	98	99	99	99	**32**
31	99	99	99	98	99	99	99	99	99	95	99	97	99	99	99	**31**
30	99	99	99	98	99	99	99	99	99	91	97	94	99	99	99	**30**
29	99	99	99	98	99	99	99	98	99	86	95	90	99	99	99	**29**
28	99	99	99	96	98	97	98	96	97	81	90	85	99	99	99	**28**
27	99	99	99	91	95	93	95	94	95	76	84	80	96	99	98	**27**
26	99	98	99	87	92	90	89	92	91	71	81	76	91	96	93	**26**
25	99	95	97	83	90	87	82	89	86	63	79	71	87	91	89	**25**
24	97	91	94	79	88	83	75	84	79	56	76	66	83	88	86	**24**
23	95	85	90	77	85	81	68	77	72	53	72	62	79	84	81	**23**
22	92	77	84	73	84	78	62	70	66	49	66	57	73	78	76	**22**
21	86	67	77	70	81	75	56	62	59	43	62	52	65	74	70	**21**
20	80	59	70	67	78	72	52	57	54	39	57	48	59	68	63	**20**
19	75	52	64	62	76	69	49	55	52	35	50	42	53	59	56	**19**
18	67	43	55	56	75	65	45	52	49	29	43	36	45	54	49	**18**
17	55	35	46	51	73	62	42	49	45	25	37	31	39	50	44	**17**
16	48	30	39	46	70	58	39	45	42	21	32	27	35	45	40	**16**
15	42	27	35	37	64	50	37	42	40	17	26	21	31	39	34	**15**
14	38	25	32	28	55	41	33	41	37	12	18	15	25	30	28	**14**
13	33	24	29	22	45	33	29	37	33	10	13	11	20	24	22	**13**
12	27	20	24	18	41	29	26	32	29	7	11	9	15	20	18	**12**
11	23	15	19	16	36	26	24	29	26	4	8	6	11	16	14	**11**
10	18	11	15	13	30	21	19	25	22	2	6	4	8	12	10	**10**
9	13	8	11	12	26	19	13	20	17	2	5	3	4	9	7	**9**
8	8	6	7	11	23	17	10	16	13	1	5	3	2	7	5	**8**
7	6	4	5	9	18	13	8	13	10	1	4	2	1	4	3	**7**
6	3	3	3	6	14	10	6	9	7	1	3	2	1	1	1	**6**
5	1	2	1	4	11	7	4	7	5	1	3	1	1	1	1	**5**
4	1	1	1	3	7	5	2	5	3	1	2	1	1	1	1	**4**
3	1	1	1	2	3	3	2	3	2	1	1	1	1	1	1	**3**
2	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	15.4	17.7	16.5	17.3	13.9	15.7	17.9	16.5	17.2	21.9	19.3	20.6	18.2	17.0	17.7	*Mean*
S.D.	5.0	5.4	5.3	6.8	7.0	7.1	7.1	7.4	7.3	6.2	6.3	6.4	5.4	5.5	5.5	*S.D.*

Sample size M 126 W 119 T 245

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	25	35	30	13	14	14	28	27	28	19	27	23	18	24	21	**A** (4)
B (3)	32	43	38	26	26	26	32	41	36	26	28	27	47	52	49	**B** (3)
C (2)	32	16	24	37	35	36	26	24	25	32	22	27	30	23	26	**C** (2)
D (1)	6	3	4	13	8	11	3	3	3	7	4	5	5	2	3	**D** (1)
F (0)	2	0	1	1	0	0	3	0	1	3	0	1	0	0	0	**F** (0)
Not Taken	3	3	3	10	16	13	8	6	7	13	19	16				**Not Taken**
Mean	2.75	3.14	2.94	2.42	2.56	2.49	2.87	2.97	2.92	2.60	2.98	2.78	2.66	2.88	2.77	*Mean*
S.D.	.96	.79	.90	.94	.89	.92	.99	.81	.90	1.01	.88	.97	.77	.64	.72	*S.D.*

Sample size M 117 W 116 T 233

[a]Rounded to the nearest whole letter grade

TABLE 2.25

ACT Score and High School Grade Norms for Students Enrolled in West Coast Region Master's Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	95	99	97	99	99	99	**32**
31	99	99	99	99	99	99	98	99	99	91	98	94	99	99	99	**31**
30	99	99	99	98	98	98	97	99	98	87	95	91	99	99	99	**30**
29	99	99	99	96	98	97	95	98	96	83	92	88	98	99	99	**29**
28	99	97	98	93	96	94	92	95	94	78	89	84	96	98	97	**28**
27	99	96	97	88	94	91	87	93	90	73	84	79	93	97	95	**27**
26	98	94	96	83	91	87	81	90	86	68	79	74	89	93	91	**26**
25	98	91	94	78	88	83	76	85	80	64	74	69	85	89	87	**25**
24	96	87	91	73	85	79	70	77	73	60	71	66	79	86	82	**24**
23	92	82	87	69	81	75	62	70	66	56	67	61	72	82	77	**23**
22	87	73	80	66	79	72	56	64	60	51	62	57	66	75	70	**22**
21	81	63	72	63	76	70	51	60	55	45	58	52	61	66	64	**21**
20	74	54	64	61	72	66	45	56	50	40	53	46	55	60	57	**20**
19	65	47	56	57	69	63	41	53	47	34	46	40	47	54	51	**19**
18	56	40	48	51	64	58	38	50	44	28	38	33	40	48	44	**18**
17	46	32	39	44	58	51	35	48	41	21	32	27	34	41	37	**17**
16	38	26	32	37	51	44	32	45	39	17	27	22	28	33	31	**16**
15	32	21	27	29	43	36	29	42	36	13	20	16	24	27	25	**15**
14	28	18	23	23	35	29	26	38	32	9	14	11	17	22	20	**14**
13	23	16	19	19	30	24	23	34	29	6	10	8	12	18	15	**13**
12	19	13	16	17	26	21	20	28	24	4	7	6	9	14	12	**12**
11	16	10	13	15	23	19	16	23	19	3	5	4	6	10	8	**11**
10	13	7	10	12	20	16	12	19	16	2	4	3	4	7	6	**10**
9	10	5	7	11	17	14	9	15	12	2	3	3	3	4	3	**9**
8	6	3	5	10	14	12	6	10	8	2	2	2	2	2	2	**8**
7	3	2	3	8	11	9	4	8	6	1	1	1	1	1	1	**7**
6	2	1	1	7	8	7	2	6	4	1	1	1	1	1	1	**6**
5	1	1	1	5	6	6	1	4	3	1	1	1	1	1	1	**5**
4	1	1	1	3	4	4	1	2	1	1	1	1	1	1	1	**4**
3	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.7	18.8	17.7	18.4	16.1	17.2	19.4	17.4	18.4	22.2	20.2	21.2	19.3	18.2	18.8	*Mean*
S.D.	5.0	5.1	5.2	7.1	6.8	7.0	7.0	7.2	7.1	6.3	5.9	6.2	5.3	5.2	5.3	*S.D.*

Sample size M 304 W 310 T 614

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	19	45	32	15	20	17	23	40	32	16	28	22	17	34	25	**A** (4)
B (3)	39	35	37	27	30	28	42	36	39	37	32	34	56	50	53	**B** (3)
C (2)	33	15	24	39	29	34	23	18	21	31	26	28	24	16	20	**C** (2)
D (1)	4	1	2	7	10	8	3	1	2	5	1	3	3	0	1	**D** (1)
F (0)	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	**F** (0)
Not Taken	5	3	4	11	12	11	9	5	7	11	13	12				**Not Taken**
Mean	2.77	3.29	3.03	2.53	2.68	2.61	2.92	3.21	3.07	2.70	2.98	2.84	2.72	3.04	2.88	*Mean*
S.D.	.83	.77	.84	.91	.94	.93	.82	.77	.81	.85	.84	.86	.66	.63	.66	*S.D.*

Sample size M 295 W 297 T 592

[a]Rounded to the nearest whole letter grade

TABLE 2.26

ACT Score and High School Grade Norms for Students Enrolled in West Coast Region PhD Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	99	99	99	99	97	99	98	99	99	99	**33**
32	99	99	99	96	99	98	98	99	99	93	97	95	99	99	99	**32**
31	99	99	99	95	99	97	96	99	97	88	93	91	99	99	99	**31**
30	99	98	99	90	98	94	93	98	95	79	89	84	98	98	98	**30**
29	99	96	98	85	96	91	90	95	92	72	84	78	97	96	96	**29**
28	98	95	96	80	93	86	88	92	90	66	78	72	93	93	93	**28**
27	98	93	95	75	87	81	83	89	86	58	71	65	88	89	89	**27**
26	97	89	93	72	83	77	75	83	79	53	67	59	81	86	83	**26**
25	96	84	90	68	79	73	67	77	72	48	61	55	72	80	76	**25**
24	93	77	85	63	74	68	59	73	66	45	57	51	63	73	68	**24**
23	87	69	78	58	70	64	51	65	58	39	52	45	56	68	62	**23**
22	78	60	69	53	65	59	45	55	50	32	46	39	50	62	56	**22**
21	70	52	61	47	62	54	40	49	44	28	41	35	44	53	49	**21**
20	63	43	53	42	59	50	34	45	39	25	35	30	38	47	42	**20**
19	55	35	45	38	55	46	29	42	35	22	29	25	30	40	35	**19**
18	44	26	36	34	50	42	26	39	32	19	24	21	24	33	28	**18**
17	34	20	27	30	46	38	23	36	29	15	20	17	18	28	23	**17**
16	27	17	23	25	40	33	20	32	26	11	16	14	15	22	18	**16**
15	22	16	19	22	33	27	17	30	23	8	11	10	12	17	14	**15**
14	18	13	16	17	27	22	12	28	20	5	8	7	9	15	12	**14**
13	14	11	12	13	22	18	9	24	16	3	5	4	7	12	9	**13**
12	10	8	9	10	20	15	8	20	14	3	2	3	6	9	7	**12**
11	7	4	6	7	18	12	7	17	12	3	1	2	3	7	5	**11**
10	5	3	4	4	17	10	6	13	9	2	1	1	2	4	3	**10**
9	4	2	3	3	15	9	4	10	7	2	1	1	1	2	1	**9**
8	3	1	2	3	12	7	3	8	6	1	1	1	1	1	1	**8**
7	1	1	1	2	10	6	2	6	4	1	1	1	1	1	1	**7**
6	1	1	1	2	9	5	1	3	2	1	1	1	1	1	1	**6**
5	1	1	1	2	7	4	1	1	1	1	1	1	1	1	1	**5**
4	1	1	1	2	4	3	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.2	20.4	19.3	21.1	18.0	19.6	21.6	19.2	20.5	24.3	22.6	23.5	21.4	20.2	20.8	*Mean*
S.D.	4.6	4.9	4.9	7.0	7.5	7.4	6.2	6.9	6.7	6.1	5.8	6.0	5.1	5.4	5.3	*S.D.*

Sample size M: 130 W: 123 T: 253

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	31	53	42	25	22	24	32	50	41	27	41	34	28	40	34	**A** (4)
B (3)	41	32	36	26	35	30	45	33	39	36	28	32	52	47	50	**B** (3)
C (2)	23	11	17	28	24	26	16	11	13	23	17	20	20	9	15	**C** (2)
D (1)	4	2	3	11	8	10	1	2	2	2	3	2	0	4	2	**D** (1)
F (0)	0	0	0	2	2	2	1	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	1	2	1	8	9	8	6	4	5	12	11	11				**Not Taken**
Mean	3.01	3.37	3.19	2.68	2.74	2.71	3.13	3.36	3.24	3.02	3.19	3.11	2.96	3.15	3.05	*Mean*
S.D.	.84	.78	.83	1.05	.98	1.02	.77	.78	.78	.80	.87	.84	.64	.66	.66	*S.D.*

Sample size M: 127 W: 123 T: 250

[a]Rounded to the nearest whole letter grade

TABLE 2.27

ACT Score and High School Grade Norms for Students Enrolled in Rocky Mountains/Great Plains Region 2-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	98	99	99	99	99	99	97	99	98	99	99	99	**32**
31	99	99	99	98	99	99	99	99	99	95	99	97	99	99	99	**31**
30	99	99	99	97	99	98	99	99	99	93	97	95	99	99	99	**30**
29	99	99	99	96	98	97	98	98	98	89	95	92	99	99	99	**29**
28	99	99	99	94	97	96	97	97	97	84	92	88	98	99	99	**28**
27	99	99	99	92	95	94	95	95	95	79	90	85	97	97	97	**27**
26	99	98	99	89	93	91	92	93	92	75	88	81	95	96	95	**26**
25	99	96	97	85	90	87	88	90	89	72	85	78	91	94	92	**25**
24	98	93	96	81	87	84	82	86	84	67	82	75	87	90	89	**24**
23	96	90	93	78	84	81	76	82	79	61	79	70	83	86	85	**23**
22	93	84	88	76	81	79	69	78	74	55	75	65	78	83	81	**22**
21	88	78	83	74	78	76	63	73	68	51	70	61	72	79	76	**21**
20	83	70	76	70	75	72	59	69	64	47	64	56	67	73	70	**20**
19	77	63	70	67	72	70	55	65	60	42	57	50	60	68	64	**19**
18	69	54	62	63	69	66	52	64	58	36	51	44	54	63	59	**18**
17	60	46	53	56	64	60	50	61	56	31	44	38	47	57	52	**17**
16	53	38	45	47	59	53	48	57	53	25	36	30	40	50	45	**16**
15	47	30	39	40	54	47	45	54	50	19	27	23	35	42	39	**15**
14	42	25	34	34	47	41	41	49	45	14	19	16	30	34	32	**14**
13	36	22	29	30	41	36	36	44	40	8	11	10	22	26	24	**13**
12	30	18	24	26	36	31	30	40	35	6	6	6	16	20	18	**12**
11	24	14	19	21	30	26	25	34	30	4	4	4	12	14	13	**11**
10	17	10	14	17	25	21	21	27	24	2	3	3	8	9	9	**10**
9	13	7	10	14	21	18	17	21	19	2	3	2	5	6	5	**9**
8	9	4	6	11	18	15	12	16	14	1	2	1	3	3	3	**8**
7	5	2	4	9	15	12	8	11	10	1	1	1	1	1	1	**7**
6	4	1	2	6	11	9	5	8	7	1	1	1	1	1	1	**6**
5	2	1	1	4	9	6	3	5	4	1	1	1	1	1	1	**5**
4	1	1	1	3	6	4	2	3	3	1	1	1	1	1	1	**4**
3	1	1	1	2	4	3	1	2	2	1	1	1	1	1	1	**3**
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	15.0	17.1	16.1	16.7	14.9	15.8	16.8	15.2	16.0	20.9	18.7	19.8	17.5	16.6	17.0	*Mean*
S.D.	5.1	4.9	5.1	7.0	7.1	7.1	7.0	7.1	7.1	6.1	5.5	5.9	5.3	5.1	5.2	*S.D.*

Sample size M 558, W 580, T 1,138

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	14	37	26	12	15	14	20	34	27	14	20	17	14	27	20	**A** (4)
B (3)	38	46	42	26	32	29	40	39	40	31	33	32	44	51	48	**B** (3)
C (2)	40	15	27	37	31	34	30	20	25	34	26	30	39	20	29	**C** (2)
D (1)	5	2	3	14	9	11	6	4	5	8	5	7	3	2	2	**D** (1)
F (0)	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	2	1	1	10	13	11	4	3	4	13	16	15				**Not Taken**
Mean	2.60	3.18	2.90	2.37	2.59	2.48	2.76	3.06	2.92	2.58	2.80	2.69	2.58	2.91	2.74	*Mean*
S.D.	84	75	85	93	93	94	86	85	87	86	88	88	69	66	69	*S.D.*

Sample size M 531, W 558, T 1,089

[a]Rounded to the nearest whole letter grade

TABLE 2.28

ACT Score and High School Grade Norms for Students Enrolled in Rocky Mountains/Great Plains Region 4-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	97	99	98	99	99	99	95	99	97	99	99	99	**32**
31	99	99	99	95	99	97	98	99	98	91	97	94	99	99	99	**31**
30	99	99	99	93	98	96	97	99	98	86	94	90	98	99	99	**30**
29	99	99	99	90	97	94	95	98	96	81	91	86	97	99	98	**29**
28	99	98	99	86	96	91	93	96	94	76	86	81	94	97	95	**28**
27	99	97	98	80	93	86	89	93	91	70	83	76	90	95	92	**27**
26	98	95	96	74	88	81	84	89	87	64	79	72	86	91	89	**26**
25	95	92	94	69	83	76	79	84	81	59	75	67	81	87	84	**25**
24	93	88	90	64	79	72	73	79	76	56	72	64	76	83	80	**24**
23	90	82	86	60	77	68	65	74	70	51	66	58	70	78	74	**23**
22	85	74	79	58	74	66	59	70	64	46	59	53	63	73	68	**22**
21	77	66	72	55	71	63	54	64	59	42	55	48	56	68	62	**21**
20	69	58	63	52	67	59	49	59	54	37	51	44	50	61	56	**20**
19	63	50	56	48	63	55	45	56	51	32	46	39	45	56	50	**19**
18	55	42	49	44	59	52	43	55	49	27	41	34	39	51	45	**18**
17	47	35	41	40	55	47	40	53	46	22	35	29	34	45	40	**17**
16	41	29	35	34	49	42	36	50	43	17	27	22	29	39	34	**16**
15	36	24	30	29	43	36	33	47	40	13	20	17	24	32	28	**15**
14	31	20	26	24	38	31	29	43	36	10	14	12	20	27	23	**14**
13	26	16	21	21	34	28	26	38	32	6	10	8	15	22	19	**13**
12	21	12	16	18	31	25	22	34	28	4	7	6	12	17	14	**12**
11	17	8	12	16	27	21	20	30	25	3	5	4	9	11	10	**11**
10	12	6	9	13	23	18	18	25	22	2	3	2	6	8	7	**10**
9	9	5	7	11	19	45	15	20	17	1	2	2	4	4	4	**9**
8	6	3	4	9	16	12	11	15	13	1	1	1	3	2	2	**8**
7	4	1	3	8	13	10	9	10	10	1	1	1	2	1	1	**7**
6	3	1	2	6	9	8	7	7	7	1	1	1	1	1	1	**6**
5	2	1	1	4	7	5	4	4	4	1	1	1	1	1	1	**5**
4	1	1	1	2	5	4	3	2	2	1	1	1	1	1	1	**4**
3	1	1	1	1	4	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.7	18.5	17.6	19.5	16.3	17.9	18.5	16.5	17.5	22.6	20.3	21.5	19.5	18.1	18.8	*Mean*
S.D.	5.3	5.0	5.2	7.8	7.5	7.8	7.5	7.4	7.5	6.3	6.0	6.2	5.8	5.6	5.7	*S.D.*

Sample size M 524 W 532 T 1,056

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	26	43	35	22	22	22	32	39	35	24	23	23	26	31	29	**A** (4)
B (3)	38	38	38	29	27	28	37	33	35	33	32	32	48	49	48	**B** (3)
C (2)	28	16	22	28	28	28	22	21	21	26	27	26	23	19	21	**C** (2)
D (1)	4	1	3	9	7	8	5	3	4	4	3	3	2	1	1	**D** (1)
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	3	1	2	10	14	12	5	4	5	13	15	14				**Not Taken**
Mean	2.88	3.24	3.06	2.69	2.73	2.71	3.00	3.12	3.06	2.87	2.88	2.87	2.86	3.00	2.93	*Mean*
S.D.	.87	.78	.84	.99	.98	.99	.88	.85	.87	.89	.85	.87	.71	.67	.69	*S.D.*

Sample size M 508 W 514 T 1,022

[a]Rounded to the nearest whole letter grade

TABLE 2.29

ACT Score and High School Grade Norms for Students Enrolled in Rocky Mountains/Great Plains Region Master's Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	98	99	98	99	99	99	95	98	96	99	99	99	**32**
31	99	99	99	97	98	98	98	99	99	91	96	93	99	99	99	**31**
30	99	99	99	96	98	97	97	98	97	85	94	89	99	99	99	**30**
29	99	98	99	92	97	95	95	97	96	80	91	86	97	98	98	**29**
28	99	98	98	88	95	92	93	95	94	76	88	82	95	96	95	**28**
27	98	96	97	83	92	87	88	93	91	72	85	78	91	94	92	**27**
26	98	95	96	78	88	83	81	91	86	66	82	74	86	92	89	**26**
25	96	92	94	72	83	77	74	87	81	60	79	70	79	89	84	**25**
24	93	89	91	66	78	72	68	84	76	56	76	66	74	86	80	**24**
23	89	85	87	62	76	69	61	78	70	51	72	61	67	82	74	**23**
22	83	79	81	59	73	66	54	72	63	46	66	56	60	76	68	**22**
21	76	69	73	55	70	63	49	67	58	41	62	52	55	71	63	**21**
20	69	60	65	52	67	60	44	63	53	36	55	46	51	65	58	**20**
19	62	51	56	48	64	56	41	60	50	31	49	40	45	60	53	**19**
18	53	42	47	43	59	51	39	56	48	27	45	36	39	54	46	**18**
17	45	34	39	39	53	46	37	52	45	21	38	30	34	46	40	**17**
16	39	28	33	34	47	40	35	49	42	16	30	23	29	38	33	**16**
15	33	24	28	29	40	35	32	46	39	11	22	16	22	31	27	**15**
14	28	19	23	24	34	29	28	42	35	6	15	11	17	24	21	**14**
13	25	14	20	19	30	24	24	36	31	4	10	7	13	17	15	**13**
12	22	11	16	17	26	22	21	33	27	3	6	4	9	11	10	**12**
11	17	8	13	15	23	19	18	28	23	1	3	2	7	8	7	**11**
10	12	6	9	13	20	16	15	22	18	1	2	1	4	5	5	**10**
9	7	3	5	10	15	13	11	15	13	1	1	1	2	3	3	**9**
8	5	2	3	8	12	10	8	10	9	1	1	1	2	1	1	**8**
7	3	2	2	6	10	8	6	7	6	1	1	1	1	1	1	**7**
6	2	1	1	4	7	5	4	5	4	1	1	1	1	1	1	**6**
5	1	1	1	3	4	3	2	3	3	1	1	1	1	1	1	**5**
4	1	1	1	2	3	2	2	2	2	1	1	1	1	1	1	**4**
3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.9	18.5	17.7	19.4	16.9	18.1	19.3	16.6	17.9	22.8	19.9	21.3	19.7	18.1	18.9	*Mean*
S.D.	5.2	4.9	5.1	7.4	7.2	7.4	7.2	7.0	7.3	6.0	5.8	6.1	5.5	5.2	5.4	*S.D.*

Sample size M 494 W 500 T 994

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	26	38	32	18	17	18	32	36	34	19	21	20	23	28	25	**A** (4)
B (3)	45	44	45	28	32	30	36	40	38	34	36	35	49	54	51	**B** (3)
C (2)	25	15	20	35	32	33	26	19	22	29	28	28	27	17	22	**C** (2)
D (1)	3	1	2	10	8	9	2	3	2	5	2	4	2	1	1	**D** (1)
F (0)	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	1	0	0	7	10	9	3	3	3	13	13	13				**Not Taken**
Mean	2.93	3.20	3.07	2.56	2.65	2.61	3.02	3.12	3.07	2.74	2.87	2.80	2.82	2.95	2.88	*Mean*
S.D.	.82	.76	.80	.98	.90	.94	.84	.81	.83	.89	.80	.85	.69	.63	.67	*S.D.*

Sample size M 476 W 491 T 967

[a]Rounded to the nearest whole letter grade

TABLE 2.30

ACT Score and High School Grade Norms for Students Enrolled in Rocky Mountains/Great Plains Region PhD Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	97	99	98	99	99	99	96	99	98	99	99	99	**33**
32	99	99	99	95	99	97	98	99	99	91	98	94	99	99	99	**32**
31	99	99	99	93	98	96	97	99	98	85	95	90	99	99	99	**31**
30	99	99	99	90	97	94	94	98	96	76	90	84	98	99	98	**30**
29	99	98	99	85	95	90	91	96	94	68	86	77	95	97	96	**29**
28	99	98	98	78	91	85	86	94	90	61	81	71	90	95	92	**28**
27	98	96	97	70	86	78	80	90	85	54	76	66	83	92	87	**27**
26	97	93	95	63	80	72	73	85	79	48	71	60	76	87	81	**26**
25	94	89	91	55	74	65	64	79	72	43	65	54	67	81	74	**25**
24	89	83	86	49	69	59	56	72	64	38	61	50	59	75	67	**24**
23	84	76	80	44	65	55	48	65	57	34	54	44	51	67	59	**23**
22	76	67	71	41	61	52	41	58	50	29	47	38	43	60	52	**22**
21	66	56	61	38	57	48	36	52	44	24	43	34	37	54	45	**21**
20	56	47	51	35	53	44	31	46	39	21	37	29	30	47	39	**20**
19	47	38	43	31	49	40	28	42	35	17	31	24	25	40	32	**19**
18	38	29	33	27	44	36	26	41	33	13	27	20	21	32	27	**18**
17	29	22	25	23	37	30	23	37	31	11	21	16	17	26	22	**17**
16	23	17	20	18	32	25	21	34	28	8	16	12	13	21	17	**16**
15	18	13	16	15	27	21	19	31	25	6	11	8	10	17	13	**15**
14	15	11	13	12	22	17	17	27	22	4	8	6	8	13	11	**14**
13	12	10	11	10	19	14	15	23	19	2	5	4	6	10	8	**13**
12	9	8	8	8	16	13	12	20	16	1	3	2	4	7	6	**12**
11	7	6	6	7	14	11	10	16	13	1	2	1	3	5	4	**11**
10	5	4	4	6	12	9	8	12	10	1	1	1	2	3	2	**10**
9	4	3	3	5	10	7	6	9	8	1	1	1	1	2	1	**9**
8	2	2	2	4	8	6	4	7	5	1	1	1	1	1	1	**8**
7	1	1	1	3	6	4	3	4	4	1	1	1	1	1	1	**7**
6	1	1	1	2	4	3	2	3	2	1	1	1	1	1	1	**6**
5	1	1	1	1	3	2	1	2	1	1	1	1	1	1	1	**5**
4	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.8	19.9	19.3	22.4	19.2	20.8	21.6	19.1	20.3	25.2	22.2	23.7	22.1	20.2	21.1	*Mean*
S.D.	4.5	4.7	4.6	6.9	7.0	7.1	6.6	6.8	6.8	5.7	5.7	5.9	5.1	5.1	5.2	*S.D.*

Sample size M 1,580 W 1,677 T 3,257

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	34	52	43	27	26	26	43	50	47	30	35	33	35	43	39	**A** (4)
B (3)	44	39	41	33	35	34	37	34	35	36	34	35	48	47	48	**B** (3)
C (2)	19	9	14	27	26	26	15	12	13	20	17	18	16	9	12	**C** (2)
D (1)	1	0	1	7	5	6	2	1	1	3	2	2	1	0	1	**D** (1)
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	1	0	1	6	8	7	4	3	3	10	11	11				**Not Taken**
Mean	3.12	3.42	3.28	2.83	2.89	2.86	3.25	3.37	3.31	3.04	3.16	3.10	3.05	3.21	3.13	*Mean*
S.D.	.78	.67	.74	.95	.89	.92	.79	.74	.77	.85	.81	.83	.65	.59	.62	*S.D.*

Sample size M 1,533 W 1,627 T 3,160

[a]Rounded to the nearest whole letter grade

TABLE 2.31

ACT Score and High School Grade Norms for Students Enrolled in Southwest Region 2-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	**31**
30	99	99	99	99	99	99	99	99	99	95	98	97	99	99	99	**30**
29	99	99	99	99	99	99	99	99	99	93	96	94	99	99	99	**29**
28	99	99	99	98	99	99	97	99	98	89	95	92	99	99	99	**28**
27	99	99	99	97	98	98	95	98	97	86	93	90	98	99	98	**27**
26	99	98	99	95	97	96	93	96	94	83	92	88	97	98	97	**26**
25	99	97	98	92	95	94	89	94	91	79	90	85	94	96	95	**25**
24	98	95	96	88	93	91	85	91	88	75	87	82	91	94	93	**24**
23	97	92	94	85	91	88	79	87	83	71	84	78	87	92	89	**23**
22	94	88	91	82	90	86	75	84	80	67	81	74	83	89	86	**22**
21	90	82	86	79	88	84	70	80	75	63	77	70	79	86	83	**21**
20	86	74	80	77	86	82	66	76	71	58	73	66	74	82	78	**20**
19	80	68	74	74	83	79	63	73	69	53	68	61	69	78	73	**19**
18	74	61	67	70	79	75	61	72	67	49	63	56	63	72	68	**18**
17	67	54	60	65	75	70	59	69	64	43	56	50	57	67	62	**17**
16	60	48	53	58	69	64	56	66	62	36	48	43	52	60	56	**16**
15	53	41	47	50	62	56	54	63	59	29	38	34	47	53	50	**15**
14	47	36	41	42	55	49	51	59	55	22	28	25	41	45	43	**14**
13	42	31	36	37	49	43	46	55	51	16	20	18	35	39	37	**13**
12	36	26	31	33	44	39	42	50	46	11	14	13	28	32	30	**12**
11	30	22	26	29	39	34	37	44	41	9	10	10	21	25	23	**11**
10	25	17	21	24	33	29	32	39	36	7	7	7	15	19	17	**10**
9	19	13	16	20	28	24	26	33	30	5	5	5	10	13	12	**9**
8	14	10	12	17	23	20	20	27	24	4	4	4	7	7	7	**8**
7	10	6	8	14	19	17	16	21	18	3	2	3	4	4	4	**7**
6	7	4	5	11	15	13	12	16	14	2	1	1	2	2	2	**6**
5	3	2	3	8	11	10	8	11	10	1	1	1	1	1	1	**5**
4	2	1	1	6	8	7	5	7	6	1	1	1	1	1	1	**4**
3	1	1	1	4	6	5	3	4	4	1	1	1	1	1	1	**3**
2	1	1	1	2	4	3	2	3	2	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	14.2	15.9	15.1	15.0	13.1	14.0	15.1	13.4	14.2	19.1	17.2	18.1	16.0	15.0	15.5	*Mean*
S.D.	5.3	5.5	5.4	6.7	6.4	6.6	7.6	7.1	7.4	6.4	5.5	6.0	5.5	5.2	5.4	*S.D.*

Sample size M: 1,368; W: 1,526; T: 2,894

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	13	31	22	11	16	13	20	30	25	11	18	14	12	24	18	**A** (4)
B (3)	36	42	39	28	32	30	36	37	36	30	34	32	47	52	49	**B** (3)
C (2)	40	22	30	37	32	34	31	22	26	37	28	32	37	24	30	**C** (2)
D (1)	7	2	4	13	9	10	5	3	4	6	4	5	3	1	2	**D** (1)
F (0)	1	0	0	2	1	1	1	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	4	3	3	10	11	10	8	8	8	16	16	16				**Not Taken**
Mean	2.56	3.05	2.82	2.37	2.61	2.50	2.76	3.02	2.89	2.52	2.78	2.65	2.55	2.86	2.71	*Mean*
S.D.	.84	.79	.85	.93	.91	.93	.87	.85	.86	.84	.84	.85	.66	.65	.67	*S.D.*

Sample size M: 1,307; W: 1,453; T: 2,760

[a]Rounded to the nearest whole letter grade.

TABLE 2.32

ACT Score and High School Grade Norms for Students Enrolled in Southwest Region 4-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English M	English W	English T	Mathematics M	Mathematics W	Mathematics T	Social Studies M	Social Studies W	Social Studies T	Natural Sciences M	Natural Sciences W	Natural Sciences T	Composite M	Composite W	Composite T	Standard Score
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**32**
31	99	99	99	98	99	99	99	99	99	96	99	97	99	99	99	**31**
30	99	99	99	97	99	98	99	99	99	93	97	95	99	99	99	**30**
29	99	99	99	96	99	98	97	98	98	90	95	93	99	99	99	**29**
28	99	99	99	95	98	97	95	98	96	86	94	90	97	99	98	**28**
27	99	99	99	93	97	95	92	96	94	83	92	88	95	98	96	**27**
26	99	97	98	91	95	93	88	92	90	79	90	85	92	96	94	**26**
25	97	95	96	87	92	89	84	89	87	75	88	82	91	93	92	**25**
24	95	92	93	83	88	85	79	86	83	72	86	79	88	90	89	**24**
23	93	88	90	80	85	83	75	82	79	68	82	75	84	87	86	**23**
22	89	83	86	78	83	80	71	78	75	64	77	71	79	83	81	**22**
21	84	76	80	75	82	78	67	75	71	60	73	67	75	79	77	**21**
20	80	68	74	72	79	76	63	71	67	55	69	62	70	74	72	**20**
19	75	61	68	69	77	73	61	68	65	50	64	57	65	70	67	**19**
18	68	53	60	65	74	70	60	66	63	46	59	53	59	65	62	**18**
17	61	45	53	61	70	66	58	63	61	40	54	47	55	60	57	**17**
16	55	39	46	54	63	59	55	61	58	33	47	40	49	55	52	**16**
15	49	34	41	46	56	52	53	58	56	27	37	32	43	50	47	**15**
14	43	29	36	40	50	45	50	55	53	21	27	24	38	44	41	**14**
13	38	26	32	36	44	40	47	50	49	15	18	16	32	37	34	**13**
12	32	22	27	32	40	36	42	45	44	9	12	10	26	29	27	**12**
11	26	17	22	28	36	32	36	41	39	7	8	8	20	21	20	**11**
10	20	13	17	24	31	28	31	37	34	5	6	5	14	15	15	**10**
9	15	10	13	20	26	23	26	31	29	4	4	4	10	10	10	**9**
8	10	7	9	17	21	19	21	25	23	3	3	3	6	5	6	**8**
7	6	4	5	13	17	15	16	18	17	2	2	2	3	3	3	**7**
6	4	3	3	10	13	11	13	13	13	1	1	1	1	2	1	**6**
5	2	2	2	8	10	9	9	10	9	1	1	1	1	1	1	**5**
4	1	1	1	5	7	6	5	6	6	1	1	1	1	1	1	**4**
3	1	1	1	4	5	4	3	3	3	1	1	1	1	1	1	**3**
2	1	1	1	3	3	3	2	2	2	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	15.1	16.8	16.0	15.7	14.1	14.9	15.5	14.3	14.9	19.7	17.7	18.6	16.6	15.8	16.2	*Mean*
S.D.	5.4	5.4	5.5	7.4	7.0	7.3	8.0	7.6	7.8	6.5	5.7	6.2	5.9	5.6	5.7	*S.D.*
Sample size	M 439		W 463	T 902												

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English M	English W	English T	Mathematics M	Mathematics W	Mathematics T	Social Studies M	Social Studies W	Social Studies T	Natural Sciences M	Natural Sciences W	Natural Sciences T	Average[a] M	Average[a] W	Average[a] T	High School Grade
A (4)	18	35	27	17	21	19	26	40	33	18	22	20	16	34	25	**A** (4)
B (3)	37	41	39	26	29	28	40	31	35	31	33	32	49	46	47	**B** (3)
C (2)	36	20	28	39	30	34	24	18	21	33	19	26	32	19	26	**C** (2)
D (1)	7	3	5	9	7	8	4	4	4	5	5	5	3	1	2	**D** (1)
F (0)	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	2	1	1	8	13	11	6	7	6	13	22	17				**Not Taken**
Mean	2.68	3.09	2.89	2.54	2.73	2.63	2.91	3.15	3.04	2.69	2.92	2.80	2.69	2.98	2.84	*Mean*
S.D.	.85	.83	.86	.93	.93	.93	.86	.88	.88	.89	.86	.89	.68	.70	.71	*S.D.*
Sample size	M 414		W 443	T 857												

[a]Rounded to the nearest whole letter grade

TABLE 2.33

ACT Score and High School Grade Norms for Students Enrolled in Southwest Region Master's Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	**32**
31	99	99	99	98	99	99	99	99	99	94	97	96	99	99	99	**31**
30	99	99	99	98	99	99	98	99	99	91	95	93	99	99	99	**30**
29	99	99	99	96	98	97	97	99	98	88	93	91	98	99	99	**29**
28	99	99	99	94	97	96	95	98	97	83	90	87	97	98	98	**28**
27	99	98	98	91	95	93	92	96	94	79	87	83	95	97	96	**27**
26	98	96	97	87	93	90	87	93	91	74	84	79	93	94	94	**26**
25	97	94	95	83	89	86	82	90	86	69	80	75	89	91	90	**25**
24	96	89	92	78	85	82	77	86	82	65	78	72	84	88	86	**24**
23	93	84	88	74	82	78	71	81	76	60	73	67	79	83	81	**23**
22	89	77	82	71	79	75	66	74	70	56	68	62	73	78	75	**22**
21	83	69	75	68	75	72	60	69	65	52	63	58	67	72	70	**21**
20	77	60	68	64	72	68	55	63	59	47	58	53	62	67	65	**20**
19	70	52	60	61	68	65	51	59	55	41	53	47	56	62	59	**19**
18	61	44	52	56	64	61	49	57	53	35	48	42	49	56	53	**18**
17	51	36	43	51	59	55	46	54	50	30	42	36	43	50	47	**17**
16	42	31	36	44	53	49	44	51	47	24	34	30	37	43	41	**16**
15	35	26	30	38	46	42	42	48	45	17	26	22	31	36	33	**15**
14	29	22	25	32	40	37	39	44	42	12	18	15	24	29	27	**14**
13	25	18	21	28	36	32	35	40	37	8	11	10	19	23	21	**13**
12	21	14	17	24	32	28	30	35	33	5	6	6	14	17	16	**12**
11	17	11	13	20	27	24	26	30	28	4	4	4	11	12	12	**11**
10	12	8	10	17	23	20	21	25	23	2	3	3	8	8	8	**10**
9	8	5	7	15	19	17	15	20	18	2	2	2	5	5	5	**9**
8	6	4	5	12	16	14	11	15	13	1	2	1	3	3	3	**8**
7	3	2	3	10	13	12	8	11	9	1	1	1	1	2	1	**7**
6	2	2	2	7	10	9	6	7	7	1	1	1	1	1	1	**6**
5	1	1	1	4	8	6	4	5	5	1	1	1	1	1	1	**5**
4	1	1	1	3	6	5	2	3	3	1	1	1	1	1	1	**4**
3	1	1	1	2	4	3	1	2	1	1	1	1	1	1	1	**3**
2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.4	18.1	17.3	17.2	15.6	16.3	17.4	16.0	16.6	21.2	19.3	20.2	18.1	17.4	17.7	*Mean*
S.D.	4.9	5.1	5.1	7.2	7.1	7.2	7.4	7.0	7.2	6.2	5.8	6.0	5.4	5.3	5.4	*S.D.*

Sample size M 948; W 1,123; T 2,071

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	20	40	31	17	23	20	30	42	36	19	27	24	20	35	28	**A** (4)
B (3)	42	44	43	29	32	31	40	35	37	33	35	34	49	49	49	**B** (3)
C (2)	32	13	22	37	27	32	22	17	19	30	22	26	29	16	22	**C** (2)
D (1)	4	1	3	10	8	9	3	2	3	5	3	4	1	0	1	**D** (1)
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	2	1	1	6	9	7	5	5	5	13	13	13				**Not Taken**
Mean	2.79	3.24	3.03	2.55	2.76	2.66	3.01	3.21	3.12	2.75	2.99	2.88	2.76	3.04	2.91	*Mean*
S.D.	.82	.75	.81	.94	.95	.95	.84	.82	.83	.87	.85	.87	.67	.64	.67	*S.D.*

Sample size M 926; W 1,092; T 2,018

[a]Rounded to the nearest whole letter grade

TABLE 2.34

ACT Score and High School Grade Norms for Students Enrolled in Southwest Region PhD Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	99	99	99	99	97	99	98	99	99	99	**33**
32	99	99	99	97	99	98	99	99	99	94	97	96	99	99	99	**32**
31	99	99	99	96	98	97	97	98	98	90	95	92	99	99	99	**31**
30	99	99	99	93	97	95	95	97	96	84	91	88	98	99	98	**30**
29	99	99	99	90	96	93	93	95	94	78	87	82	96	97	97	**29**
28	99	97	98	86	94	90	89	93	91	72	83	77	93	95	94	**28**
27	98	95	96	81	90	85	85	89	87	66	79	73	88	92	90	**27**
26	96	92	94	74	85	80	79	85	82	61	74	68	83	88	85	**26**
25	93	88	91	68	79	74	72	79	75	56	70	63	77	83	80	**25**
24	90	84	87	63	74	68	64	74	69	51	66	59	70	77	73	**24**
23	86	77	82	58	70	64	57	68	62	46	61	53	64	71	67	**23**
22	81	68	75	54	66	60	51	62	57	41	55	48	57	65	61	**22**
21	74	58	66	51	63	57	46	57	51	36	50	43	50	58	54	**21**
20	66	49	58	48	59	53	41	51	46	32	45	38	44	51	48	**20**
19	57	42	50	44	54	49	38	48	43	28	39	33	38	45	42	**19**
18	48	33	41	39	50	44	35	46	40	24	34	29	32	40	36	**18**
17	40	26	33	33	44	39	33	43	38	20	28	24	27	35	31	**17**
16	33	20	26	28	37	32	31	40	36	15	22	19	23	30	26	**16**
15	27	15	21	23	31	27	29	37	33	12	16	14	19	24	21	**15**
14	23	12	18	18	26	22	26	33	29	8	11	10	15	18	16	**14**
13	19	10	15	15	23	19	23	29	26	6	7	7	11	14	12	**13**
12	15	8	12	13	20	17	19	25	22	4	5	4	8	10	9	**12**
11	12	6	9	11	18	14	16	22	19	3	3	3	5	7	6	**11**
10	8	4	6	9	15	12	13	17	15	2	3	2	4	4	4	**10**
9	5	3	4	7	13	10	10	13	12	1	2	2	3	2	3	**9**
8	3	2	3	6	11	8	7	10	9	1	2	1	1	1	1	**8**
7	2	1	2	4	8	6	5	8	6	1	1	1	1	1	1	**7**
6	1	1	1	3	6	4	3	5	4	1	1	1	1	1	1	**6**
5	1	1	1	2	4	3	2	2	2	1	1	1	1	1	1	**5**
4	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	17.8	19.6	18.7	20.3	18.1	19.3	19.9	18.2	19.1	23.3	21.2	22.3	20.4	19.4	19.9	*Mean*
S.D.	5.1	4.8	5.0	7.1	7.1	7.2	7.3	7.3	7.4	6.3	6.1	6.3	5.6	5.5	5.5	*S.D.*

Sample size M 1,168; W 1,126; T 2,294

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	29	51	40	22	27	24	41	51	46	26	33	29	29	43	36	**A** (4)
B (3)	45	37	41	30	34	32	36	31	33	37	38	37	49	45	47	**B** (3)
C (2)	22	11	16	31	25	28	18	13	15	23	17	20	20	12	16	**C** (2)
D (1)	4	1	2	10	7	9	1	1	1	5	2	4	1	0	1	**D** (1)
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	0	1	0	5	7	6	4	4	4	8	10	9				**Not Taken**
Mean	2.99	3.39	3.19	2.65	2.85	2.75	3.21	3.38	3.29	2.90	3.12	3.01	2.93	3.18	3.05	*Mean*
S.D.	.83	.71	.80	.98	.94	.96	.80	.75	.78	.89	.81	.86	.66	.61	.65	*S.D.*

Sample size M 1,132; W 1,105; T 2,237

[a]Rounded to the nearest whole letter grade

TABLE 2.35

ACT Score and High School Grade Norms for Students Enrolled in Midwest Region 2-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	96	98	97	99	99	99	**31**
30	99	99	99	97	98	98	98	99	99	93	97	95	99	99	99	**30**
29	99	99	99	95	98	97	97	99	98	89	96	93	99	99	99	**29**
28	99	99	99	93	96	95	96	97	97	86	93	90	98	98	98	**28**
27	99	98	99	90	94	92	93	95	94	82	90	86	96	97	97	**27**
26	99	97	98	86	91	89	89	92	91	78	87	83	94	96	95	**26**
25	99	95	97	82	88	85	85	88	87	73	83	79	91	93	92	**25**
24	97	92	94	79	86	82	79	83	81	68	79	74	86	89	88	**24**
23	94	88	91	75	84	80	74	78	76	63	74	69	81	85	83	**23**
22	91	82	86	72	81	77	68	74	71	58	70	64	76	80	78	**22**
21	86	74	79	69	78	74	63	69	66	53	65	59	70	74	73	**21**
20	80	65	72	66	75	71	58	64	61	48	60	54	64	69	67	**20**
19	73	58	65	62	71	67	54	61	58	43	54	49	58	64	61	**19**
18	66	50	57	57	67	62	52	59	55	37	48	43	52	57	55	**18**
17	57	42	49	51	61	56	49	55	52	31	41	36	45	51	48	**17**
16	50	36	42	44	54	49	46	52	49	24	33	29	39	45	42	**16**
15	43	30	36	37	48	43	43	49	47	18	25	22	33	38	36	**15**
14	37	25	31	32	43	38	39	46	43	13	18	16	27	32	30	**14**
13	32	21	26	28	39	34	34	41	38	9	13	11	21	26	24	**13**
12	26	17	21	24	34	29	29	36	33	6	8	7	15	20	18	**12**
11	21	13	17	20	30	25	25	31	28	4	6	5	10	14	12	**11**
10	15	9	12	17	25	21	20	26	23	2	4	3	6	9	8	**10**
9	10	7	8	13	20	17	15	20	18	2	3	2	4	5	5	**9**
8	7	4	5	11	17	14	11	15	14	1	2	2	2	3	2	**8**
7	4	3	3	8	14	11	8	11	10	1	1	1	1	1	1	**7**
6	2	2	2	6	10	8	6	8	7	1	1	1	1	1	1	**6**
5	1	1	1	4	8	6	4	5	4	1	1	1	1	1	1	**5**
4	1	1	1	3	6	5	2	3	3	1	1	1	1	1	1	**4**
3	1	1	1	2	5	4	1	2	1	1	1	1	1	1	1	**3**
2	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	15.6	17.4	16.6	17.3	15.3	16.2	17.1	15.9	16.5	20.7	19.0	19.8	17.8	17.0	17.4	*Mean*
S.D.	4.9	5.1	5.1	7.1	7.2	7.2	7.2	7.2	7.2	6.0	5.6	5.9	5.3	5.3	5.3	*S.D.*

Sample size M 1,914 W 2,192 T 4,106

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	12	29	21	8	15	12	16	25	21	10	15	13	8	20	15	**A** (4)
B (3)	41	46	43	26	29	27	37	41	39	29	34	32	46	53	50	**B** (3)
C (2)	39	21	29	39	34	36	35	25	30	36	30	33	43	26	34	**C** (2)
D (1)	7	2	4	15	11	13	7	3	5	8	5	6	3	1	2	**D** (1)
F (0)	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	2	1	2	10	12	11	6	5	5	16	16	16				**Not Taken**
Mean	2.57	3.03	2.82	2.26	2.53	2.40	2.66	2.92	2.80	2.49	2.71	2.61	2.49	2.79	2.65	*Mean*
S.D.	.80	.79	.82	.91	.93	.93	.84	.82	.84	.85	.83	.85	.62	.63	.64	*S.D.*

Sample size M 1,849 W 2,131 T 3,980

[a]Rounded to the nearest whole letter grade

TABLE 2.36

ACT Score and High School Grade Norms for Students Enrolled in Midwest Region 4-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	97	99	98	99	99	99	97	99	98	99	99	99	**33**
32	99	99	99	96	99	97	98	99	99	93	98	96	99	99	99	**32**
31	99	99	99	94	98	96	97	99	98	88	96	92	99	99	99	**31**
30	99	99	99	91	97	94	95	98	97	82	92	87	97	99	98	**30**
29	99	98	99	87	94	91	92	97	94	77	88	83	95	98	96	**29**
28	99	97	98	82	91	87	88	94	91	72	83	78	91	95	93	**28**
27	98	96	97	77	86	82	83	90	87	67	79	74	87	91	89	**27**
26	96	93	94	71	81	76	78	85	82	62	75	69	81	86	84	**26**
25	94	89	91	65	76	71	72	79	75	57	70	64	75	80	78	**25**
24	91	83	87	60	72	66	65	72	69	53	66	60	69	75	72	**24**
23	86	76	81	55	68	62	59	65	62	48	61	55	63	70	67	**23**
22	80	68	73	52	65	59	53	59	56	43	55	49	57	63	60	**22**
21	73	58	65	49	61	56	47	55	51	38	49	44	51	58	55	**21**
20	65	49	57	46	58	52	42	50	46	34	45	40	46	52	49	**20**
19	57	42	49	42	53	48	38	47	43	30	40	36	39	46	43	**19**
18	49	35	42	38	49	44	36	45	41	26	35	31	34	41	38	**18**
17	42	28	35	34	44	39	33	41	38	21	29	25	30	35	33	**17**
16	35	23	29	28	38	33	31	38	35	16	23	20	25	30	27	**16**
15	30	19	24	23	33	28	29	35	32	12	17	15	20	24	22	**15**
14	26	15	20	19	28	24	26	31	29	9	12	11	15	19	17	**14**
13	21	12	16	17	25	21	23	27	25	6	8	7	12	14	13	**13**
12	18	9	13	14	22	18	19	23	21	4	5	4	10	10	10	**12**
11	14	7	10	12	19	16	16	20	18	3	3	3	7	7	7	**11**
10	11	5	8	10	16	13	13	16	15	2	2	2	5	5	5	**10**
9	8	4	6	9	13	11	10	12	11	2	2	2	3	3	3	**9**
8	5	2	4	7	10	9	8	9	8	1	1	1	2	2	2	**8**
7	4	1	2	6	9	7	6	6	6	1	1	1	1	1	1	**7**
6	2	1	2	4	7	6	4	4	4	1	1	1	1	1	1	**6**
5	1	1	1	3	5	4	3	3	3	1	1	1	1	1	1	**5**
4	1	1	1	2	3	3	2	2	2	1	1	1	1	1	1	**4**
3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	17.5	19.4	18.5	20.6	18.3	19.4	19.8	18.5	19.1	23.1	21.1	22.0	20.4	19.4	19.9	*Mean*
S.D.	5.4	5.1	5.3	7.6	7.5	7.7	7.4	7.2	7.3	6.5	6.1	6.3	5.8	5.6	5.7	*S.D.*

Sample size: M 1,249 W 1,427 T 2,676

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	23	45	34	18	20	19	31	39	35	23	24	24	24	35	30	**A** (4)
B (3)	45	42	44	30	34	32	39	39	39	32	36	35	49	50	49	**B** (3)
C (2)	27	12	19	30	25	29	21	15	18	29	22	25	26	15	20	**C** (2)
D (1)	3	1	2	11	7	9	3	2	2	4	3	3	1	0	1	**D** (1)
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	2	1	2	9	10	10	7	4	5	13	12	13				**Not Taken**
Mean	2.90	3.32	3.12	2.58	2.73	2.66	3.05	3.21	3.13	2.82	2.96	2.90	2.83	3.06	2.95	*Mean*
S.D.	.79	.70	.77	.99	.91	.95	.82	.78	.80	.88	.81	.85	.67	.61	.65	*S.D.*

Sample size: M 1,222 W 1,395 T 2,617

[a]Rounded to the nearest whole letter grade.

TABLE 2.37

ACT Score and High School Grade Norms for Students Enrolled in Midwest Region Master's Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	98	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	96	99	98	99	99	99	95	98	96	99	99	99	**32**
31	99	99	99	95	98	96	97	99	98	90	95	93	99	99	99	**31**
30	99	99	99	93	97	95	96	98	97	84	92	88	98	99	98	**30**
29	99	98	99	89	94	92	94	96	95	77	89	83	96	97	97	**29**
28	99	97	98	82	91	87	90	93	92	72	84	78	93	95	94	**28**
27	99	96	97	74	86	81	85	90	87	67	81	74	88	92	90	**27**
26	97	93	95	67	81	74	77	85	81	61	76	69	82	87	85	**26**
25	95	90	92	60	75	68	69	79	74	55	70	63	75	83	79	**25**
24	91	85	88	54	71	63	61	72	67	49	65	58	68	77	73	**24**
23	87	78	82	49	67	59	53	65	60	43	59	52	60	71	65	**23**
22	81	68	74	46	64	55	47	59	53	37	53	45	52	64	58	**22**
21	73	58	65	43	60	52	41	54	48	31	47	40	44	57	51	**21**
20	63	50	56	39	56	48	37	50	44	27	42	35	37	51	44	**20**
19	54	43	48	35	51	43	34	46	40	23	36	30	32	44	38	**19**
18	44	35	39	31	46	39	31	43	37	19	31	26	27	38	33	**18**
17	36	26	31	26	40	34	29	40	34	15	26	21	22	32	27	**17**
16	29	20	25	22	35	29	27	37	32	11	19	15	17	26	22	**16**
15	24	16	20	17	30	24	25	34	30	8	14	11	13	21	18	**15**
14	19	13	16	14	25	20	22	30	26	5	9	7	10	16	13	**14**
13	15	10	12	11	22	17	18	26	23	3	6	5	7	12	10	**13**
12	11	8	9	9	20	15	15	23	19	2	4	3	5	8	7	**12**
11	9	6	7	7	17	13	12	19	16	2	3	2	3	6	4	**11**
10	6	4	5	6	15	11	9	15	13	1	2	2	2	4	3	**10**
9	4	3	3	5	12	8	7	12	9	1	2	1	1	2	2	**9**
8	2	2	2	4	10	7	5	9	7	1	1	1	1	1	1	**8**
7	2	1	1	3	7	5	3	6	5	1	1	1	1	1	1	**7**
6	1	1	1	2	5	3	2	4	3	1	1	1	1	1	1	**6**
5	1	1	1	1	4	3	1	2	2	1	1	1	1	1	1	**5**
4	1	1	1	1	3	2	1	2	1	1	1	1	1	1	1	**4**
3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.1	19.5	18.9	21.7	18.7	20.1	20.6	18.6	19.6	23.8	21.4	22.5	21.2	19.7	20.4	*Mean*
S.D.	4.7	4.7	4.8	6.8	7.3	7.2	6.8	7.1	7.0	5.8	5.8	5.9	5.1	5.3	5.3	*S.D.*
Sample size	M 1,409;		W 1,581;		T 2,990											

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	25	44	35	18	22	20	33	42	38	21	26	24	22	34	28	**A** (4)
B (3)	48	43	46	33	33	33	41	38	39	38	37	38	55	51	53	**B** (3)
C (2)	22	11	16	32	27	30	19	14	17	25	21	23	22	14	18	**C** (2)
D (1)	3	1	2	9	7	8	3	1	2	4	3	3	1	0	1	**D** (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	1	1	1	7	11	9	4	4	4	12	13	12				**Not Taken**
Mean	2.95	3.31	3.14	2.62	2.76	2.69	3.08	3.25	3.17	2.86	2.99	2.92	2.87	3.07	2.97	*Mean*
S.D.	.79	.71	.77	.94	.92	.94	.82	.76	.80	.84	.83	.83	.63	.61	.63	*S.D.*
Sample size	M 1,395;		W 1,555;		T 2,950											

[a]Rounded to the nearest whole letter grade.

TABLE 2.38

ACT Score and High School Grade Norms for Students Enrolled in Midwest Region PhD Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	98	99	98	99	99	99	98	99	99	99	99	99	**34**
33	99	99	99	96	98	97	99	99	99	95	99	97	99	99	99	**33**
32	99	99	99	94	97	96	99	99	99	91	97	94	99	99	99	**32**
31	99	99	99	91	96	94	96	98	97	84	94	89	98	99	99	**31**
30	99	99	99	87	94	90	93	97	95	76	90	83	96	98	97	**30**
29	99	98	98	81	91	86	90	95	93	68	85	77	93	96	94	**29**
28	98	96	97	73	86	80	85	92	88	62	81	71	88	93	90	**28**
27	97	94	96	65	81	73	78	87	82	57	76	67	82	89	85	**27**
26	95	91	93	57	75	66	71	81	76	52	71	61	74	83	78	**26**
25	93	87	90	50	69	59	62	75	68	46	65	55	65	77	71	**25**
24	88	80	84	44	64	54	54	67	61	40	60	50	56	70	63	**24**
23	82	73	77	40	60	50	46	60	53	35	55	45	49	63	56	**23**
22	73	63	68	37	57	47	40	53	46	30	49	39	42	57	49	**22**
21	64	53	58	33	53	43	35	48	42	26	43	34	35	50	42	**21**
20	55	44	49	29	49	39	31	44	37	22	38	30	29	43	36	**20**
19	46	36	41	26	45	35	28	41	34	18	33	25	24	38	31	**19**
18	37	29	33	23	40	31	25	37	31	15	28	22	19	32	26	**18**
17	29	23	26	19	35	27	23	34	28	12	23	18	16	26	21	**17**
16	24	19	21	15	30	22	21	31	26	9	18	14	13	22	17	**16**
15	19	15	17	12	26	19	19	29	24	6	14	10	10	17	14	**15**
14	16	12	14	10	22	16	17	26	21	4	10	7	8	14	11	**14**
13	13	10	11	9	18	13	14	22	18	3	7	5	6	11	8	**13**
12	10	8	9	7	16	11	12	19	16	2	5	3	4	8	6	**12**
11	7	6	7	6	14	10	10	16	13	1	3	2	3	6	4	**11**
10	5	4	5	5	11	8	8	13	10	1	2	2	2	4	3	**10**
9	3	3	3	4	9	6	6	10	8	1	1	1	1	3	2	**9**
8	2	2	2	3	7	5	5	7	6	1	1	1	1	2	1	**8**
7	1	1	1	3	6	4	3	5	4	1	1	1	1	1	1	**7**
6	1	1	1	2	4	3	2	4	3	1	1	1	1	1	1	**6**
5	1	1	1	1	3	2	1	3	2	1	1	1	1	1	1	**5**
4	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.9	20.0	19.5	23.3	19.9	21.6	21.7	19.5	20.6	24.9	22.0	23.5	22.4	20.5	21.4	*Mean*
S.D.	4.7	5.0	4.9	6.8	7.4	7.3	6.7	7.1	7.0	5.9	6.0	6.2	5.2	5.5	5.4	*S.D.*

Sample size M 2,990; W 2,898; T 5,888

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	29	48	38	25	26	25	40	47	43	26	29	27	29	37	33	**A** (4)
B (3)	47	42	45	34	34	34	40	36	38	37	39	38	53	51	52	**B** (3)
C (2)	20	9	15	28	26	27	15	13	14	23	20	21	17	11	14	**C** (2)
D (1)	2	1	2	8	7	7	2	1	2	3	3	3	1	0	1	**D** (1)
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	1	0	1	4	6	5	4	3	3	10	10	10				**Not Taken**
Mean	3.04	3.37	3.20	2.77	2.83	2.80	3.22	3.31	3.26	2.95	3.04	2.99	2.98	3.13	3.06	*Mean*
S.D.	.78	.69	.75	.96	.93	.94	.78	.77	.77	.86	.82	.84	.63	.59	.62	*S.D.*

Sample size M 2,936; W 2,862; T 5,798

[a]Rounded to the nearest whole letter grade

TABLE 2.39

ACT Score and High School Grade Norms for Students Enrolled in South/Southeast Region 2-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**31**
30	99	99	99	99	99	99	99	99	99	97	98	98	99	99	99	**30**
29	99	99	99	99	99	99	98	99	99	95	97	96	99	99	99	**29**
28	99	99	99	98	99	99	97	99	98	93	96	95	99	99	99	**28**
27	99	99	99	97	98	98	96	98	97	90	95	93	97	99	98	**27**
26	99	99	99	95	97	96	93	97	95	87	93	90	96	98	97	**26**
25	99	97	98	92	96	94	90	95	93	83	91	88	95	97	96	**25**
24	98	95	96	90	95	92	87	92	90	80	89	85	93	95	94	**24**
23	96	92	94	88	93	91	84	88	86	76	86	81	90	93	92	**23**
22	94	88	90	86	92	89	80	85	83	70	82	77	86	91	89	**22**
21	90	83	86	83	90	87	77	82	79	66	79	73	82	87	85	**21**
20	86	77	81	81	88	85	72	79	76	61	75	69	78	83	81	**20**
19	81	69	75	77	86	82	69	76	72	56	71	64	74	79	77	**19**
18	75	61	67	72	83	78	65	73	70	50	67	59	68	74	72	**18**
17	66	53	59	67	79	74	63	71	67	42	60	52	63	70	67	**17**
16	59	47	52	60	73	67	60	68	64	35	50	43	57	64	61	**16**
15	53	40	46	52	67	60	57	65	62	28	40	35	50	58	54	**15**
14	48	35	41	44	60	53	54	62	58	21	31	27	42	51	47	**14**
13	43	31	36	38	55	47	48	57	53	16	22	19	34	43	39	**13**
12	37	25	30	33	50	43	43	53	48	12	15	13	27	34	31	**12**
11	31	21	25	29	45	38	37	48	43	8	11	10	20	25	23	**11**
10	24	17	20	24	38	32	32	42	38	6	8	7	14	17	16	**10**
9	18	12	15	20	31	26	26	35	31	4	6	5	9	12	11	**9**
8	13	8	10	17	26	22	21	27	24	3	4	4	5	8	7	**8**
7	8	6	7	14	21	18	16	20	18	2	2	2	2	4	3	**7**
6	4	4	4	10	16	13	12	15	14	1	1	1	1	2	1	**6**
5	2	2	2	7	12	10	8	10	9	1	1	1	1	1	1	**5**
4	1	1	1	5	8	7	5	6	5	1	1	1	1	1	1	**4**
3	1	1	1	4	6	5	2	3	3	1	1	1	1	1	1	**3**
2	1	1	1	2	4	3	1	2	2	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	14.2	15.9	15.1	14.7	12.4	13.4	14.6	13.0	13.7	18.7	16.8	17.6	15.7	14.7	15.1	*Mean*
S.D.	5.1	5.3	5.3	6.5	6.2	6.5	7.2	6.9	7.1	6.0	5.3	5.7	5.3	5.0	5.1	*S.D.*

Sample size M: 765. W: 936. T: 1,701

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	10	25	18	10	15	13	17	26	22	11	18	15	12	20	16	**A** (4)
B (3)	35	46	41	26	30	28	32	38	35	29	34	32	41	54	48	**B** (3)
C (2)	39	22	30	37	31	34	33	24	28	33	24	28	45	25	34	**C** (2)
D (1)	8	3	5	13	9	11	5	3	4	7	6	6	3	1	2	**D** (1)
F (0)	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	7	4	5	13	14	14	12	8	10	19	18	19				**Not Taken**
Mean	2.50	2.96	2.76	2.34	2.57	2.47	2.68	2.94	2.83	2.54	2.80	2.68	2.51	2.82	2.68	*Mean*
S.D.	.82	.79	.84	.93	.93	.93	.87	.85	.87	.84	.87	.87	.66	.65	.67	*S.D.*

Sample size M: 724. W: 904. T: 1,628

[a]Rounded to the nearest whole letter grade

TABLE 2.40

ACT Score and High School Grade Norms for Students Enrolled in South/Southeast Region 4-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	96	99	98	99	99	99	**32**
31	99	99	99	98	99	99	98	99	98	94	98	96	99	99	99	**31**
30	99	99	99	97	99	98	97	98	98	90	97	94	99	99	99	**30**
29	99	99	99	95	99	97	96	97	97	87	95	91	97	99	98	**29**
28	99	99	99	92	97	95	94	96	95	83	92	88	94	98	96	**28**
27	98	97	98	90	95	93	91	94	93	79	90	85	92	96	95	**27**
26	97	96	96	87	92	90	87	92	90	76	87	83	91	94	92	**26**
25	95	93	94	83	89	86	82	88	86	73	84	79	87	91	89	**25**
24	92	90	91	79	86	83	77	84	81	69	81	76	83	88	86	**24**
23	90	84	87	76	83	80	72	80	77	66	77	73	79	85	83	**23**
22	87	78	81	72	81	77	67	76	72	61	73	68	74	81	78	**22**
21	82	71	76	69	79	75	62	73	68	58	69	64	69	76	73	**21**
20	75	64	69	66	76	72	58	69	64	53	66	60	64	71	68	**20**
19	68	57	62	62	72	68	55	65	61	49	61	56	58	66	63	**19**
18	61	50	54	58	68	64	53	63	59	45	55	51	52	61	57	**18**
17	54	41	47	53	63	59	51	61	57	39	50	46	47	55	52	**17**
16	47	34	40	48	58	54	49	58	54	33	43	38	43	50	47	**16**
15	41	30	34	42	53	48	46	55	52	27	34	31	39	45	42	**15**
14	36	27	31	36	48	43	43	51	48	22	26	25	34	39	37	**14**
13	32	24	27	33	44	39	40	47	44	16	19	18	29	34	32	**13**
12	28	21	24	30	40	36	36	42	40	11	13	12	24	28	26	**12**
11	23	17	20	27	36	32	32	39	36	9	9	9	19	22	20	**11**
10	18	14	16	24	32	29	28	34	32	7	7	7	15	16	15	**10**
9	14	12	13	20	28	24	24	28	26	6	5	5	11	11	11	**9**
8	10	9	9	16	24	21	19	22	21	4	4	4	8	7	7	**8**
7	7	5	6	13	20	17	15	16	16	2	3	2	5	4	4	**7**
6	4	3	4	11	16	14	12	12	12	1	1	1	3	2	2	**6**
5	2	2	2	9	13	11	9	8	9	1	1	1	2	1	1	**5**
4	1	1	1	6	9	8	6	5	6	1	1	1	1	1	1	**4**
3	1	1	1	5	6	5	4	3	4	1	1	1	1	1	1	**3**
2	1	1	1	3	3	3	3	1	2	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	15.9	17.3	16.7	16.5	14.4	15.3	16.4	14.9	15.6	20.0	18.1	18.9	17.3	16.3	16.7	*Mean*
S.D.	5.7	5.8	5.8	7.9	7.5	7.8	8.3	7.7	8.0	7.1	6.0	6.6	6.4	5.9	6.2	*S.D.*

Sample size M: 503; W: 703; T: 1,206

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	24	37	31	17	23	20	28	38	34	17	26	22	20	32	27	**A** (4)
B (3)	36	42	40	32	32	32	35	36	35	30	33	32	48	49	48	**B** (3)
C (2)	35	18	25	32	26	28	29	19	23	32	21	25	31	18	23	**C** (2)
D (1)	4	2	3	10	7	8	3	3	3	5	4	5	1	1	1	**D** (1)
F (0)	0	0	0	1	1	1	0	0	0	1	0	1	0	0	0	**F** (0)
Not Taken	1	1	1	8	12	10	5	5	5	14	16	15				**Not Taken**
Mean	2.79	3.15	3.00	2.58	2.77	2.69	2.92	3.14	3.05	2.65	2.95	2.83	2.73	3.00	2.89	*Mean*
S.D.	.86	.78	.83	.94	.96	.95	.85	.83	.85	.90	.88	.90	.68	.67	.69	*S.D.*

Sample size M: 471; W: 683; T: 1,154

[a]Rounded to the nearest whole letter grade

TABLE 2.41

ACT Score and High School Grade Norms for Students Enrolled in South/Southeast Region Master's Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	95	98	97	99	99	99	**31**
30	99	99	99	98	99	99	98	99	98	92	97	94	99	99	99	**30**
29	99	99	99	96	98	97	97	98	97	88	95	92	99	99	99	**29**
28	99	99	99	94	97	96	95	97	96	85	93	89	97	98	98	**28**
27	99	98	98	91	95	93	92	95	94	81	91	86	95	97	96	**27**
26	98	96	97	87	92	90	89	92	91	77	87	83	92	95	94	**26**
25	97	94	95	83	90	87	84	89	87	73	84	79	88	93	91	**25**
24	95	91	93	79	87	83	79	86	83	70	82	76	85	90	87	**24**
23	92	86	89	75	85	80	74	81	78	65	78	73	81	86	84	**23**
22	89	80	84	72	82	78	69	77	73	61	74	68	76	83	80	**22**
21	84	73	78	69	79	75	64	73	69	56	70	64	71	78	75	**21**
20	79	65	71	66	77	72	60	69	65	51	66	59	65	73	69	**20**
19	73	58	65	62	73	68	56	66	61	46	60	53	60	67	64	**19**
18	65	50	57	58	69	64	54	64	59	41	54	48	55	61	58	**18**
17	55	42	48	53	63	59	51	61	56	35	48	42	49	55	52	**17**
16	48	36	41	47	56	52	48	58	54	27	40	34	42	49	46	**16**
15	41	31	36	40	50	46	46	55	51	20	32	27	35	42	39	**15**
14	36	27	31	34	45	40	43	51	47	15	23	19	29	36	33	**14**
13	31	23	26	29	40	35	38	47	43	10	16	13	23	29	27	**13**
12	25	19	22	25	36	31	33	42	38	6	11	9	18	24	21	**12**
11	20	15	17	22	32	27	29	37	33	5	7	6	13	18	16	**11**
10	15	11	13	19	27	23	25	32	29	3	5	4	9	13	11	**10**
9	11	9	10	15	23	19	20	26	23	2	4	3	6	8	7	**9**
8	8	6	7	12	19	16	16	20	18	2	3	2	4	5	4	**8**
7	5	4	4	10	15	13	11	15	14	1	2	2	2	2	2	**7**
6	3	3	3	8	11	10	8	11	10	1	1	1	1	1	1	**6**
5	2	1	2	6	9	7	6	8	7	1	1	1	1	1	1	**5**
4	1	1	1	4	6	5	3	5	4	1	1	1	1	1	1	**4**
3	1	1	1	3	4	4	2	3	2	1	1	1	1	1	1	**3**
2	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	15.8	17.4	16.6	16.9	14.9	15.8	16.6	14.9	15.7	20.4	18.3	19.3	17.6	16.5	17.0	*Mean*
S.D.	5.2	5.5	5.4	7.3	7.1	7.3	7.6	7.4	7.5	6.3	5.8	6.1	5.7	5.5	5.6	*S.D.*

Sample size M 1,341 W 1,633 T 2,974

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	16	35	26	15	20	18	26	36	32	16	23	20	16	30	24	**A** (4)
B (3)	39	44	42	28	33	31	36	38	37	32	35	34	48	49	49	**B** (3)
C (2)	38	19	27	34	28	30	26	18	22	29	23	26	34	20	26	**C** (2)
D (1)	6	2	4	13	10	11	4	2	3	6	3	5	2	1	2	**D** (1)
F (0)	1	0	0	1	1	1	0	0	0	1	0	1	0	0	0	**F** (0)
Not Taken	2	1	1	9	9	9	7	6	7	15	15	15				**Not Taken**
Mean	2.65	3.12	2.91	2.47	2.67	2.58	2.90	3.15	3.03	2.65	2.91	2.79	2.66	2.95	2.82	*Mean*
S.D.	.83	.78	.84	.98	.96	.97	.87	.81	.85	.92	.86	.90	.69	.66	.69	*S.D.*

Sample size M 1,304 W 1,592 T 2,896

[a]Rounded to the nearest whole letter grade.

TABLE 2.42

ACT Score and High School Grade Norms for Students Enrolled in South/Southeast Region PhD Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	98	99	98	99	99	99	95	99	97	99	99	99	**32**
31	99	99	99	97	99	98	98	99	99	90	98	94	99	99	99	**31**
30	99	99	99	95	98	96	96	99	97	84	96	89	99	99	99	**30**
29	99	98	99	92	97	94	94	97	95	77	93	84	97	98	97	**29**
28	99	97	98	88	94	91	90	94	92	72	89	80	93	97	95	**28**
27	98	95	97	82	90	86	85	91	88	67	85	75	89	94	91	**27**
26	97	92	95	74	86	80	79	87	83	62	81	71	84	91	87	**26**
25	94	89	92	67	81	74	72	81	76	57	77	66	77	87	82	**25**
24	90	85	88	61	76	68	65	76	70	53	72	62	70	82	75	**24**
23	86	79	82	56	72	64	59	69	63	48	67	57	63	75	69	**23**
22	79	69	74	53	69	60	53	63	58	42	61	51	57	68	62	**22**
21	71	58	65	49	64	56	48	58	53	37	56	46	50	61	55	**21**
20	62	49	56	45	60	52	43	53	48	32	50	40	43	54	48	**20**
19	54	41	48	40	56	47	39	49	44	27	43	35	37	47	42	**19**
18	44	32	39	35	51	42	36	46	41	23	38	30	31	41	36	**18**
17	35	25	31	30	45	36	33	43	38	19	32	25	26	35	30	**17**
16	28	20	24	24	38	31	30	40	35	14	24	19	20	29	25	**16**
15	22	16	19	19	32	25	28	37	32	10	18	14	16	24	19	**15**
14	18	13	16	15	27	21	25	33	29	7	13	9	12	18	14	**14**
13	15	11	13	13	23	17	21	29	25	4	8	6	9	13	11	**13**
12	12	8	10	10	20	15	18	24	21	2	5	4	6	10	7	**12**
11	8	5	7	8	16	12	15	20	17	2	3	2	3	6	5	**11**
10	6	4	5	7	14	10	12	17	14	1	2	2	2	4	3	**10**
9	3	3	3	6	12	9	9	13	11	1	2	1	1	3	2	**9**
8	2	2	2	5	10	7	7	10	8	1	1	1	1	2	1	**8**
7	1	1	1	4	9	6	5	7	6	1	1	1	1	1	1	**7**
6	1	1	1	3	6	4	4	5	4	1	1	1	1	1	1	**6**
5	1	1	1	2	4	3	2	3	3	1	1	1	1	1	1	**5**
4	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.3	19.6	18.9	20.7	17.9	19.4	19.8	18.0	19.0	23.3	20.3	21.9	20.7	19.1	19.9	*Mean*
S.D.	4.6	4.8	4.7	6.7	7.0	7.0	7.1	7.1	7.2	6.0	5.6	6.0	5.2	5.2	5.2	*S.D.*

Sample size M: 1,389 W: 1,180 T: 2,569

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	22	43	32	20	24	22	35	44	39	21	28	24	24	38	30	**A** (4)
B (3)	46	41	43	33	33	33	37	34	36	36	35	36	51	48	49	**B** (3)
C (2)	28	15	22	31	28	30	20	14	17	26	20	23	24	15	20	**C** (2)
D (1)	4	0	2	10	7	9	2	1	2	6	3	4	2	0	1	**D** (1)
F (0)	0	0	0	2	1	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	0	1	0	4	8	6	6	7	6	11	14	12				**Not Taken**
Mean	2.85	3.27	3.05	2.60	2.79	2.69	3.11	3.29	3.19	2.79	3.01	2.89	2.83	3.09	2.95	*Mean*
S.D.	.82	.73	.81	.99	.93	.97	.82	.77	.81	.90	.84	.88	.68	.63	.67	*S.D.*

Sample size M: 1,347 W: 1,152 T: 2,499

[a]Rounded to the nearest whole letter grade

TABLE 2.43

ACT Score and High School Grade Norms for Students Enrolled in East/Northeast Region 2-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	**31**
30	99	99	99	99	99	99	98	99	99	94	99	96	99	99	99	**30**
29	99	99	99	99	99	99	98	99	99	91	98	94	99	99	99	**29**
28	99	99	99	98	99	98	97	99	98	88	96	92	99	99	99	**28**
27	99	99	99	95	98	97	95	98	97	84	94	89	98	99	99	**27**
26	99	98	99	92	96	94	92	97	95	81	91	86	96	99	97	**26**
25	99	97	98	88	94	91	88	94	91	77	88	83	93	97	95	**25**
24	99	96	97	85	91	88	83	91	87	73	86	80	90	95	92	**24**
23	97	93	95	81	88	85	77	87	83	69	82	76	86	91	89	**23**
22	95	88	92	78	86	82	72	83	78	65	78	72	81	87	85	**22**
21	92	83	87	75	84	80	67	78	73	60	74	68	77	83	80	**21**
20	88	77	82	73	81	77	63	75	69	55	70	63	73	79	76	**20**
19	82	70	76	68	79	74	60	72	66	50	64	57	68	74	71	**19**
18	75	62	68	63	75	70	57	69	63	45	58	52	61	69	65	**18**
17	68	53	60	58	70	64	53	66	60	38	51	45	54	64	59	**17**
16	60	45	52	51	63	57	50	63	57	31	42	37	48	57	52	**16**
15	53	39	45	43	56	50	48	60	54	25	34	30	40	50	45	**15**
14	48	33	40	38	48	43	45	56	51	18	25	22	33	42	38	**14**
13	42	29	35	32	42	37	40	51	46	13	17	15	26	34	30	**13**
12	35	24	29	28	37	33	36	46	41	9	12	11	21	27	24	**12**
11	27	19	23	24	34	29	31	41	36	7	8	8	15	20	18	**11**
10	21	15	18	19	29	24	26	35	31	5	6	6	11	13	12	**10**
9	16	10	13	15	24	20	20	29	25	4	5	4	8	7	8	**9**
8	11	7	9	13	20	17	15	22	19	3	3	3	5	4	5	**8**
7	7	4	5	10	16	13	12	16	14	3	2	2	3	3	3	**7**
6	4	3	3	8	13	10	9	11	10	2	1	2	1	2	2	**6**
5	3	1	2	6	10	8	6	7	6	1	1	1	1	1	1	**5**
4	2	1	1	5	7	6	4	4	4	1	1	1	1	1	1	**4**
3	1	1	1	4	5	5	2	2	2	1	1	1	1	1	1	**3**
2	1	1	1	3	3	3	1	2	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	14.2	16.1	15.2	16.0	14.0	15.0	16.1	14.0	14.9	19.6	17.6	18.6	16.6	15.6	16.0	*Mean*
S.D.	4.9	5.1	5.1	6.8	6.6	6.8	7.4	6.8	7.2	6.3	5.5	6.0	5.3	5.0	5.2	*S.D.*
Sample size	M 716.		W 813.		T 1,529											

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	10	22	16	9	13	11	15	20	18	6	10	8	6	13	10	**A** (4)
B (3)	42	53	48	28	32	30	41	43	42	30	33	32	52	61	57	**B** (3)
C (2)	38	21	29	38	33	36	33	28	30	36	32	34	39	25	32	**C** (2)
D (1)	5	2	3	11	9	10	5	4	4	7	4	6	3	1	2	**D** (1)
F (0)	1	0	0	3	0	1	0	0	0	1	1	1	0	0	0	**F** (0)
Not Taken	4	3	3	11	11	11	6	6	6	20	20	20				**Not Taken**
Mean	2.58	2.97	2.79	2.35	2.55	2.45	2.69	2.83	2.77	2.43	2.59	2.52	2.50	2.73	2.62	*Mean*
S.D.	.78	.72	.77	.93	.88	.91	.81	.80	.81	.80	.80	.80	.58	.57	.59	*S.D.*
Sample size	M 670.		W 771.		T 1,441											

[a]Rounded to the nearest whole letter grade.

TABLE 2.44

ACT Score and High School Grade Norms for Students Enrolled in East/Northeast Region 4-Year Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	98	99	99	99	99	99	96	99	98	99	99	99	**32**
31	99	99	99	97	99	98	99	99	99	94	97	95	99	99	99	**31**
30	99	99	99	95	99	97	97	99	98	91	94	93	99	99	99	**30**
29	99	99	99	92	98	95	95	99	97	87	92	90	97	99	98	**29**
28	99	99	99	89	96	93	92	97	95	82	90	86	94	98	96	**28**
27	98	97	98	86	93	89	87	94	91	77	88	82	91	96	94	**27**
26	97	95	96	83	89	86	80	92	86	71	84	78	88	92	90	**26**
25	96	92	94	79	85	82	75	87	81	67	81	74	82	88	85	**25**
24	93	88	90	75	81	78	70	81	76	63	78	70	76	85	81	**24**
23	88	83	86	71	77	74	64	75	70	57	75	66	72	81	76	**23**
22	83	76	80	67	75	71	59	72	65	52	70	61	67	76	72	**22**
21	77	68	73	63	74	68	53	67	61	47	65	56	62	72	67	**21**
20	71	61	66	60	72	66	48	63	56	43	59	51	56	67	61	**20**
19	63	52	58	56	69	63	44	59	52	37	54	45	50	60	55	**19**
18	55	44	49	52	65	59	42	55	48	32	47	40	44	54	49	**18**
17	47	35	41	47	59	53	39	53	46	27	39	33	39	49	44	**17**
16	41	28	35	41	51	46	37	50	43	21	32	26	33	43	38	**16**
15	35	23	29	35	44	40	35	47	41	16	24	20	28	35	31	**15**
14	30	20	25	29	38	33	33	43	38	11	17	14	23	28	25	**14**
13	26	17	22	25	32	28	30	39	35	8	11	9	18	22	20	**13**
12	23	14	18	22	28	25	27	35	31	6	5	5	13	16	15	**12**
11	19	11	15	18	24	21	22	29	26	4	3	4	10	10	10	**11**
10	16	8	12	14	21	18	17	22	20	3	2	3	6	6	7	**10**
9	12	6	9	12	18	15	13	18	15	3	1	2	5	3	4	**9**
8	9	3	6	10	15	12	9	14	12	2	1	2	3	2	2	**8**
7	6	1	4	8	13	10	6	11	8	1	1	1	2	1	2	**7**
6	3	1	2	5	9	7	4	7	6	1	1	1	1	1	1	**6**
5	1	1	1	3	6	5	3	5	4	1	1	1	1	1	1	**5**
4	1	1	1	2	5	4	2	3	2	1	1	1	1	1	1	**4**
3	1	1	1	2	4	3	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.6	18.3	17.5	18.2	16.1	17.1	18.7	16.3	17.5	21.5	19.4	20.5	18.9	17.7	18.3	*Mean*
S.D.	5.6	5.1	5.4	7.4	7.2	7.4	7.5	7.2	7.4	6.3	5.7	6.1	5.9	5.4	5.7	*S.D.*
Sample size	M: 329		W: 336		T: 665											

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	21	35	28	17	20	19	29	40	34	20	23	22	21	29	25	**A** (4)
B (3)	44	46	45	30	38	34	41	36	38	33	38	35	48	52	50	**B** (3)
C (2)	28	16	22	33	26	29	25	20	22	27	27	27	28	18	23	**C** (2)
D (1)	5	3	4	9	6	7	3	2	3	7	1	4	2	1	2	**D** (1)
F (0)	0	0	0	2	1	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	1	0	0	9	9	9	3	2	2	11	10	11				**Not Taken**
Mean	2.82	3.14	2.98	2.58	2.79	2.68	2.97	3.15	3.06	2.72	2.91	2.82	2.76	3.00	2.88	*Mean*
S.D.	.84	.77	.82	.97	.89	.93	.84	.84	.84	.94	.78	.87	.70	.65	.69	*S.D.*
Sample size	M: 314		W: 319		T: 633											

[a]Rounded to the nearest whole letter grade.

TABLE 2.45

ACT Score and High School Grade Norms for Students Enrolled in East/Northeast Region Master's Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	96	98	97	99	99	99	**32**
31	99	99	99	99	98	98	98	99	98	95	98	96	99	99	99	**31**
30	99	99	99	97	97	97	96	98	97	92	95	93	99	98	99	**30**
29	99	98	99	95	95	95	93	97	95	87	91	89	99	97	98	**29**
28	99	96	98	89	93	91	90	93	92	81	89	85	96	95	95	**28**
27	99	94	97	83	90	87	87	88	88	76	86	81	94	93	93	**27**
26	99	92	96	77	84	81	82	85	84	70	81	76	87	90	89	**26**
25	98	91	94	71	80	76	75	83	79	66	76	71	79	86	83	**25**
24	94	89	91	67	78	73	68	79	74	63	72	68	75	81	78	**24**
23	89	84	86	64	75	70	62	76	69	60	68	64	70	76	73	**23**
22	84	75	79	63	71	67	57	71	64	57	64	61	65	70	68	**22**
21	78	66	72	60	67	64	51	63	58	52	58	55	59	66	63	**21**
20	71	59	64	57	63	60	47	55	51	47	52	50	54	61	58	**20**
19	63	52	57	52	59	56	45	51	48	43	47	45	51	55	53	**19**
18	57	47	52	48	55	52	44	49	47	39	41	40	46	48	47	**18**
17	51	40	45	44	50	47	42	47	45	34	35	34	42	41	42	**17**
16	45	34	39	38	43	41	40	45	43	28	31	30	37	36	37	**16**
15	40	28	33	33	37	35	39	43	41	23	28	26	33	32	32	**15**
14	34	25	29	30	29	30	38	40	39	17	20	19	28	26	27	**14**
13	30	22	25	27	25	26	34	37	35	13	12	13	24	21	22	**13**
12	26	17	21	23	22	23	30	32	31	10	7	8	20	16	18	**12**
11	23	12	17	20	18	19	27	28	28	8	5	6	16	12	14	**11**
10	20	7	13	16	14	15	23	23	23	7	4	5	13	9	11	**10**
9	17	5	11	13	11	12	20	18	18	6	3	5	9	5	7	**9**
8	13	4	8	11	10	10	16	13	15	6	3	4	6	2	4	**8**
7	9	3	6	9	9	9	13	10	12	5	2	3	5	2	3	**7**
6	6	2	4	7	8	8	10	7	9	2	1	2	2	1	2	**6**
5	4	1	2	6	7	7	9	4	6	2	1	1	1	1	1	**5**
4	2	1	1	5	5	5	7	2	4	1	1	1	1	1	1	**4**
3	1	1	1	3	4	3	3	1	2	1	1	1	1	1	1	**3**
2	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.0	18.1	17.1	18.4	17.5	17.9	18.0	17.1	17.6	20.6	19.8	20.2	18.4	18.3	18.3	*Mean*
S.D.	5.8	5.6	5.8	7.9	7.3	7.6	8.4	7.6	8.0	7.1	6.2	6.7	6.5	5.9	6.2	*S.D.*

Sample size M 164 W 188 T 352

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	22	47	36	25	26	25	36	44	40	22	24	23	26	39	33	**A** (4)
B (3)	48	38	42	31	33	32	40	37	38	38	39	39	51	49	50	**B** (3)
C (2)	24	13	18	23	24	23	22	15	18	30	20	25	23	12	17	**C** (2)
D (1)	4	1	2	12	9	11	1	1	1	2	2	2	1	1	1	**D** (1)
F (0)	0	0	0	3	0	1	0	0	0	0	1	0	0	0	0	**F** (0)
Not Taken	1	1	1	6	8	7	1	3	2	8	14	11				**Not Taken**
Mean	2.90	3.32	3.13	2.65	2.82	2.74	3.12	3.28	3.21	2.87	2.97	2.93	2.87	3.10	3.00	*Mean*
S.D.	.79	.74	.79	1.10	.96	1.03	.79	.76	.78	.79	.82	.81	.66	.58	.63	*S.D.*

Sample size M 156 W 184 T 340

[a]Rounded to the nearest whole letter grade.

TABLE 2.46

ACT Score and High School Grade Norms for Students Enrolled in East/Northeast Region PhD Level Colleges

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	96	99	98	99	99	99	97	99	98	99	99	99	**33**
32	99	99	99	95	99	97	98	99	99	93	97	95	99	99	99	**32**
31	99	99	99	92	98	95	96	99	98	87	94	91	98	99	99	**31**
30	99	99	99	90	97	93	94	98	96	83	90	87	96	98	97	**30**
29	99	98	99	87	94	91	92	96	94	79	87	83	94	97	96	**29**
28	98	97	98	81	91	86	87	94	90	73	84	79	90	94	92	**28**
27	98	97	97	74	88	81	81	90	86	68	82	75	84	91	88	**27**
26	96	95	95	68	85	77	75	86	81	63	79	71	78	88	83	**26**
25	93	91	92	63	81	72	68	80	75	57	76	67	72	85	79	**25**
24	89	87	88	56	78	68	60	75	68	53	73	64	67	80	74	**24**
23	85	82	83	52	76	64	53	70	62	48	70	59	60	76	68	**23**
22	78	75	77	48	73	61	47	66	57	42	66	54	53	70	62	**22**
21	70	67	68	45	70	58	42	62	52	37	62	50	47	65	56	**21**
20	62	61	61	41	67	55	38	58	48	33	58	46	42	61	52	**20**
19	55	55	55	38	64	51	37	55	46	29	54	42	37	58	48	**19**
18	48	50	49	35	60	48	34	52	43	26	50	38	33	54	44	**18**
17	41	45	43	31	55	43	31	49	41	22	45	34	28	49	39	**17**
16	35	40	38	26	49	38	29	47	39	19	40	30	23	44	34	**16**
15	29	36	33	21	44	33	28	45	37	15	35	26	20	40	31	**15**
14	25	33	29	18	38	29	26	41	34	11	28	20	17	37	27	**14**
13	22	30	26	15	33	24	23	38	31	8	21	15	14	32	23	**13**
12	19	27	23	13	29	21	20	35	28	6	17	12	11	26	18	**12**
11	16	23	20	10	27	19	17	31	25	5	13	9	8	20	14	**11**
10	13	19	16	8	23	16	14	27	21	4	10	7	6	16	11	**10**
9	10	15	13	7	19	13	12	22	17	3	8	6	4	13	9	**9**
8	8	12	10	5	16	11	10	18	14	2	7	5	3	9	6	**8**
7	6	9	7	4	14	9	7	15	11	1	6	4	2	5	4	**7**
6	4	6	5	2	11	7	6	14	10	1	5	3	2	3	2	**6**
5	2	3	2	1	8	5	4	11	8	1	3	2	1	2	1	**5**
4	1	1	1	1	6	3	2	8	5	1	2	1	1	1	1	**4**
3	1	1	1	1	4	2	1	5	3	1	1	1	1	1	1	**3**
2	1	1	1	1	3	2	1	2	2	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	17.5	16.9	17.2	21.3	16.5	18.8	20.2	16.6	18.3	22.9	18.9	20.8	20.6	17.4	18.9	*Mean*
S.D.	5.7	6.5	6.1	7.4	7.9	8.0	7.8	8.3	8.3	6.8	7.5	7.4	6.2	6.8	6.7	*S.D.*

Sample size: M: 354; W: 388; T: 742

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	32	41	37	27	25	26	38	37	38	25	27	26	27	35	31	**A** (4)
B (3)	46	43	44	33	34	33	42	40	41	38	38	38	54	48	51	**B** (3)
C (2)	19	14	16	28	25	26	16	17	17	27	25	26	19	16	17	**C** (2)
D (1)	2	1	2	8	9	8	2	3	2	3	4	4	0	1	0	**D** (1)
F (0)	1	0	0	3	1	2	0	1	0	1	0	1	0	0	0	**F** (0)
Not Taken	0	1	1	3	5	4	1	3	2	5	6	6				**Not Taken**
Mean	3.06	3.26	3.16	2.75	2.77	2.76	3.18	3.14	3.16	2.86	2.93	2.90	2.97	3.02	2.99	*Mean*
S.D.	.81	.73	.77	1.03	.99	1.01	.78	.84	.81	.89	.85	.87	.63	.67	.65	*S.D.*

Sample size: M: 333; W: 369; T: 707

[a]Rounded to the nearest whole letter grade

TABLE 2.47

ACT Score and High School Grade Norms for Students under 18 Years Old at Time of Testing

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	**34**
33	99	99	99	98	99	99	99	99	99	95	99	98	99	99	99	**33**
32	99	99	99	97	99	98	97	99	99	91	97	95	98	99	99	**32**
31	99	99	99	96	98	98	95	98	97	86	94	92	97	99	98	**31**
30	99	98	98	94	97	96	93	97	96	79	91	87	96	98	97	**30**
29	98	97	97	92	96	94	90	95	94	74	87	83	94	96	96	**29**
28	97	95	96	87	93	91	86	92	91	69	85	80	91	94	93	**28**
27	96	93	94	82	90	88	82	89	87	64	81	76	87	91	90	**27**
26	94	91	92	75	86	83	78	86	83	60	76	71	81	88	86	**26**
25	92	88	89	69	81	77	74	81	79	54	72	67	75	83	81	**25**
24	89	83	85	64	78	73	68	77	74	47	69	62	70	79	76	**24**
23	86	77	80	58	74	70	59	72	68	42	66	59	64	75	71	**23**
22	80	72	74	54	71	66	52	67	62	39	62	55	58	71	67	**22**
21	72	65	67	51	68	63	46	63	58	35	58	51	50	66	61	**21**
20	62	57	59	49	64	60	40	59	53	31	54	47	42	60	54	**20**
19	54	50	51	45	61	56	37	55	50	27	49	43	35	54	48	**19**
18	46	43	44	41	57	52	36	52	47	24	45	38	31	49	44	**18**
17	37	35	36	35	52	47	33	49	44	20	39	33	27	44	39	**17**
16	32	29	30	30	46	41	30	46	41	16	31	27	24	39	35	**16**
15	26	25	25	25	40	36	29	43	39	12	24	20	20	34	30	**15**
14	22	22	22	20	35	30	26	39	35	8	18	15	16	28	25	**14**
13	18	19	18	16	29	25	24	34	31	5	12	10	12	23	20	**13**
12	13	15	14	13	27	23	21	30	27	4	8	7	10	17	15	**12**
11	10	11	11	11	24	20	18	27	24	3	6	5	7	12	10	**11**
10	7	8	7	8	21	17	15	23	21	3	5	4	5	8	7	**10**
9	5	5	5	7	18	15	14	19	17	2	4	3	4	5	5	**9**
8	3	3	3	7	16	13	11	14	13	1	2	2	2	3	2	**8**
7	1	2	2	6	13	11	8	10	10	1	1	1	1	1	1	**7**
6	1	1	1	5	9	8	5	7	7	1	1	1	1	1	1	**6**
5	1	1	1	5	6	6	3	5	4	1	1	1	1	1	1	**5**
4	1	1	1	4	4	4	2	2	2	1	1	1	1	1	1	**4**
3	1	1	1	3	2	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.1	18.7	18.5	20.1	16.9	17.9	19.8	17.2	17.9	23.6	20.1	21.2	20.5	18.3	19.0	*Mean*
S.D.	5.1	5.6	5.5	7.4	7.6	7.7	7.7	7.7	7.8	6.6	6.6	6.8	5.9	6.0	6.1	*S.D.*
Sample size	M: 259; W: 607; T: 866															

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	30	47	42	27	26	26	38	44	42	33	31	32	30	38	36	**A** (4)
B (3)	47	38	41	34	33	33	38	35	36	30	36	34	54	47	49	**B** (3)
C (2)	18	14	15	24	25	25	15	12	13	23	21	21	15	14	14	**C** (2)
D (1)	3	1	1	8	9	9	2	2	2	4	2	3	1	1	1	**D** (1)
F (0)	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	1	0	0	5	6	6	8	7	7	9	11	10				**Not Taken**
Mean	3.04	3.32	3.24	2.79	2.79	2.79	3.21	3.29	3.27	3.00	3.07	3.05	3.01	3.10	3.07	*Mean*
S.D.	.80	.74	.77	1.02	.97	.99	.77	.79	.78	.92	.82	.85	.63	.63	.64	*S.D.*
Sample size	M: 253; W: 591; T: 844															

[a]Rounded to the nearest whole letter grade

TABLE 2.48

ACT Score and High School Grade Norms for Students 18-20 Years Old at Time of Testing

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	97	99	98	99	99	99	95	99	97	99	99	99	**32**
31	99	99	99	96	99	97	98	99	99	91	97	94	99	99	99	**31**
30	99	99	99	94	98	96	96	98	97	85	94	90	98	99	99	**30**
29	99	99	99	90	96	93	94	97	96	80	91	86	96	98	97	**29**
28	99	98	99	86	94	90	91	95	93	75	88	81	93	97	95	**28**
27	98	97	98	81	90	86	87	92	90	70	84	77	90	94	92	**27**
26	97	95	96	75	86	81	81	89	85	65	81	73	85	91	88	**26**
25	95	92	93	69	82	76	75	84	79	60	76	69	79	87	83	**25**
24	92	87	90	64	78	71	68	79	74	55	72	64	73	82	78	**24**
23	88	82	85	60	75	68	62	73	68	51	68	60	67	77	72	**23**
22	83	74	78	57	72	65	56	68	62	45	62	54	61	72	66	**22**
21	76	65	70	53	68	61	51	63	57	41	57	50	55	66	61	**21**
20	68	57	62	50	65	58	46	58	52	36	52	45	49	60	55	**20**
19	61	49	55	46	61	54	43	55	49	32	47	40	43	54	49	**19**
18	52	41	47	42	57	50	40	52	47	28	42	35	38	48	43	**18**
17	44	34	39	37	51	44	38	49	44	23	36	30	33	43	38	**17**
16	37	28	33	32	45	39	36	46	41	18	29	24	28	37	33	**16**
15	32	23	27	27	40	34	33	44	39	13	22	18	23	31	27	**15**
14	27	20	23	23	34	29	30	40	35	10	16	13	19	25	22	**14**
13	23	17	20	19	30	25	26	36	31	6	10	8	15	20	18	**13**
12	19	13	16	17	27	22	23	31	27	4	7	5	11	16	13	**12**
11	15	10	12	14	23	19	19	27	23	3	4	4	8	11	10	**11**
10	11	8	9	12	20	16	16	22	19	2	3	3	5	8	7	**10**
9	8	5	6	10	16	13	12	18	15	2	2	2	3	5	4	**9**
8	5	4	4	8	14	11	9	13	11	1	2	1	2	3	2	**8**
7	3	2	3	6	11	9	7	10	8	1	1	1	1	1	1	**7**
6	2	1	2	5	8	7	5	7	6	1	1	1	1	1	1	**6**
5	1	1	1	3	6	5	3	4	4	1	1	1	1	1	1	**5**
4	1	1	1	2	4	3	2	2	2	1	1	1	1	1	1	**4**
3	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	17.1	18.5	17.8	19.8	17.0	18.3	19.0	17.0	17.9	22.6	20.1	21.3	19.8	18.3	19.0	*Mean*
S.D.	5.2	5.2	5.2	7.6	7.5	7.7	7.5	7.4	7.5	6.4	6.0	6.3	5.8	5.6	5.8	*S.D.*

Sample size M 19,127; W 21,153; T 40,280

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	24	41	33	19	22	20	32	40	36	21	25	23	23	33	28	**A** (4)
B (3)	44	43	43	31	33	32	39	37	38	35	36	35	50	51	50	**B** (3)
C (2)	27	14	20	32	28	30	22	17	19	27	22	24	25	16	20	**C** (2)
D (1)	4	1	2	10	8	9	3	2	3	5	3	4	1	1	1	**D** (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	1	0	1	7	9	8	4	4	4	12	13	13				**Not Taken**
Mean	2.88	3.24	3.07	2.60	2.74	2.67	3.04	3.20	3.12	2.80	2.96	2.88	2.82	3.03	2.93	*Mean*
S.D.	.82	.75	.80	.97	.93	.96	.84	.80	.83	.88	.84	.86	.67	.63	.66	*S.D.*

Sample size M 18,650; W 20,687; T 39,337

[a]Rounded to the nearest whole letter grade

TABLE 2.49

ACT Score and High School Grade Norms for Students 21-24 Years Old at Time of Testing

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	98	99	98	99	99	99	**31**
30	99	99	99	99	99	99	98	99	99	96	98	97	99	99	99	**30**
29	99	99	99	99	99	99	97	99	98	93	96	94	99	99	99	**29**
28	99	99	99	99	99	99	95	99	97	91	93	92	99	99	99	**28**
27	99	99	99	98	99	99	94	97	95	87	91	89	98	99	99	**27**
26	99	98	99	97	99	98	91	95	93	84	89	86	97	98	98	**26**
25	99	97	98	96	98	97	87	93	89	81	87	83	95	96	96	**25**
24	99	96	97	94	97	95	83	90	85	77	86	80	92	94	93	**24**
23	97	93	95	91	95	93	78	85	81	73	84	77	90	92	91	**23**
22	95	88	92	89	94	91	73	80	76	69	81	74	86	90	87	**22**
21	91	82	86	86	92	89	68	75	71	65	78	70	81	86	83	**21**
20	87	74	82	85	91	87	64	72	67	61	74	66	76	82	78	**20**
19	82	67	76	82	90	85	60	70	64	54	69	60	71	78	73	**19**
18	75	60	70	78	87	82	57	67	61	48	63	54	65	73	68	**18**
17	68	53	62	73	83	77	54	64	58	42	57	48	58	67	62	**17**
16	60	46	54	65	77	70	51	61	55	36	49	41	52	60	55	**16**
15	53	39	47	54	69	60	49	58	53	29	40	33	46	53	49	**15**
14	47	34	42	46	60	51	47	55	50	23	31	26	40	45	42	**14**
13	42	30	37	39	52	44	43	49	46	18	23	20	34	38	35	**13**
12	37	27	33	34	46	39	40	44	41	14	17	15	27	31	29	**12**
11	33	23	29	30	41	34	36	39	37	11	13	12	22	25	23	**11**
10	27	19	24	24	33	28	31	35	33	8	10	9	16	19	17	**10**
9	20	16	19	20	26	23	26	29	27	6	8	7	12	13	12	**9**
8	15	11	13	16	24	19	20	23	21	5	6	5	8	9	8	**8**
7	9	7	9	13	19	15	16	18	17	3	4	4	5	5	5	**7**
6	6	5	5	10	14	12	13	13	13	2	3	2	3	2	2	**6**
5	3	3	3	7	10	8	10	10	10	1	1	1	1	1	1	**5**
4	2	1	1	6	7	6	6	7	6	1	1	1	1	1	1	**4**
3	1	1	1	5	4	4	4	4	4	1	1	1	1	1	1	**3**
2	1	1	1	3	2	3	2	3	2	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	14.0	15.8	14.7	14.1	12.4	13.4	15.6	14.2	15.0	18.8	17.0	18.1	15.7	14.9	15.4	Mean
S.D.	5.2	5.5	5.4	6.0	5.6	5.9	7.9	7.2	7.6	6.4	6.0	6.3	5.4	5.2	5.3	S.D.

Sample size: M 922 W 577 T 1,499

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	4	13	8	6	6	6	8	12	9	6	6	6	4	7	5	**A** (4)
B (3)	26	46	34	22	27	24	31	35	33	23	30	26	35	52	42	**B** (3)
C (2)	51	30	43	46	42	44	43	38	41	44	43	44	54	40	49	**C** (2)
D (1)	10	3	7	15	11	14	7	4	6	11	5	9	6	1	4	**D** (1)
F (0)	2	0	1	1	1	1	1	0	1	1	0	1	0	0	0	**F** (0)
Not Taken	7	7	7	10	13	11	10	11	10	15	16	16				**Not Taken**
Mean	2.24	2.75	2.43	2.19	2.28	2.22	2.42	2.62	2.50	2.25	2.44	2.32	2.27	2.51	2.36	Mean
S.D.	.77	.75	.80	.84	.82	.84	.80	.77	.79	.81	.72	.78	.60	.56	.60	S.D.

Sample size: M 842 W 531 T 1,373

[a] Rounded to the nearest whole letter grade.

TABLE 2.50

ACT Score and High School Grade Norms for Students 25 Years and Older at Time of Testing

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	**31**
30	99	99	99	98	99	98	98	98	98	95	98	96	99	99	99	**30**
29	99	99	99	97	98	98	96	97	97	93	96	95	99	99	99	**29**
28	99	99	99	96	98	97	95	96	95	91	94	92	98	98	98	**28**
27	99	98	99	96	97	97	93	94	93	87	92	89	97	97	97	**27**
26	99	97	98	94	97	95	89	91	90	84	89	86	95	96	95	**26**
25	98	94	96	92	96	94	86	88	87	81	87	84	93	94	93	**25**
24	97	91	94	90	94	92	81	84	82	77	84	80	91	92	92	**24**
23	94	88	91	88	93	90	76	80	78	72	80	76	88	90	89	**23**
22	92	84	88	86	92	89	71	76	74	67	76	72	83	86	84	**22**
21	88	79	84	83	91	87	66	71	69	64	72	68	78	82	80	**21**
20	83	72	78	81	89	85	61	67	64	59	68	63	73	77	75	**20**
19	78	64	71	77	86	82	58	65	61	53	62	58	68	73	70	**19**
18	72	58	65	73	84	78	55	62	58	47	57	52	62	67	64	**18**
17	65	51	58	67	80	73	51	59	55	41	51	46	57	61	59	**17**
16	57	44	51	58	74	66	48	55	52	35	45	40	50	56	53	**16**
15	52	38	45	49	65	57	46	53	49	29	38	33	43	50	47	**15**
14	46	34	40	41	57	49	44	50	47	22	30	26	37	43	40	**14**
13	41	29	35	35	50	43	40	46	43	17	23	20	31	37	34	**13**
12	36	24	30	31	46	38	35	43	39	12	17	14	25	31	28	**12**
11	32	21	27	27	41	34	31	39	35	9	13	11	20	24	22	**11**
10	26	17	22	21	33	27	27	35	31	6	10	8	14	19	16	**10**
9	21	14	17	18	28	23	22	29	26	5	8	7	10	14	12	**9**
8	15	10	13	15	24	19	18	23	20	4	7	5	7	10	8	**8**
7	10	7	9	11	20	15	14	20	17	3	5	4	4	7	5	**7**
6	7	5	6	9	16	12	11	16	13	2	4	3	2	4	3	**6**
5	4	3	3	6	13	10	8	12	10	1	3	2	1	2	2	**5**
4	2	2	2	5	11	8	6	9	7	1	2	1	1	2	1	**4**
3	1	1	1	4	8	6	3	6	5	1	1	1	1	1	1	**3**
2	1	1	1	3	5	4	2	4	3	1	1	1	1	1	1	**2**
1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	**1**
Mean	14.3	16.3	15.3	15.0	12.7	13.9	16.2	14.8	15.5	19.0	17.4	18.2	16.2	15.4	15.8	*Mean*
S.D.	5.5	5.8	5.8	6.5	6.5	6.6	7.8	8.0	7.9	6.4	6.3	6.4	5.6	5.8	5.7	*S.D.*

Sample size: M 1,242 W 1,190 T 2,432

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	5	19	12	8	11	9	8	16	12	6	10	8	6	14	10	**A** (4)
B (3)	25	42	33	23	29	26	29	34	32	22	30	26	39	50	45	**B** (3)
C (2)	47	27	37	40	36	38	39	30	35	41	34	38	50	35	43	**C** (2)
D (1)	8	2	5	10	9	10	6	3	4	6	4	5	4	1	3	**D** (1)
F (0)	1	0	1	1	1	1	1	0	0	1	0	1	0	0	0	**F** (0)
Not Taken	13	11	12	16	15	16	18	16	17	23	21	22				**Not Taken**
Mean	2.30	2.86	2.58	2.31	2.48	2.39	2.46	2.76	2.61	2.34	2.59	2.46	2.34	2.67	2.50	*Mean*
S.D.	.77	.76	.82	.87	.87	.87	.79	.80	.81	.80	.79	.81	.63	.64	.65	*S.D.*

Sample size: M 1,111 W 1,063 T 2,174

[a]Rounded to the nearest whole letter grade.

TABLE 2.51

ACT Score and High School Grade Norms for Students with Family Incomes under $3,000

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	**31**
30	99	99	99	99	99	99	98	99	99	96	98	97	99	99	99	**30**
29	99	99	99	99	99	99	98	99	99	94	97	96	99	99	99	**29**
28	99	99	99	97	98	98	97	99	98	92	96	95	99	99	99	**28**
27	99	99	99	95	98	97	95	97	96	90	95	93	98	98	98	**27**
26	99	98	99	93	97	95	93	96	95	87	93	91	96	98	97	**26**
25	99	97	98	91	96	94	90	95	93	84	91	89	94	96	96	**25**
24	98	96	97	88	94	92	87	93	91	81	90	87	92	95	94	**24**
23	97	94	95	86	93	90	84	90	88	79	88	85	90	93	92	**23**
22	96	91	92	83	92	89	80	87	85	75	86	82	87	91	90	**22**
21	93	87	89	80	91	87	78	84	82	71	84	79	83	89	87	**21**
20	88	83	85	78	89	85	75	82	79	68	81	76	79	86	84	**20**
19	84	79	81	76	87	83	72	80	77	64	78	73	75	83	80	**19**
18	79	73	75	74	85	81	70	78	75	59	74	69	72	80	77	**18**
17	73	66	69	71	81	78	69	77	74	53	68	63	67	77	73	**17**
16	67	61	63	66	78	73	67	74	72	46	61	56	63	72	69	**16**
15	61	55	57	61	73	68	64	72	69	39	53	47	59	68	65	**15**
14	57	49	52	56	68	64	61	69	66	31	43	38	54	63	59	**14**
13	53	44	47	51	63	59	57	66	63	24	32	29	48	56	53	**13**
12	47	39	42	46	59	54	52	62	59	18	23	21	40	49	46	**12**
11	40	33	36	41	52	48	47	58	54	14	17	16	32	41	38	**11**
10	34	28	30	35	46	42	42	52	49	9	13	12	25	32	29	**10**
9	27	23	25	31	39	36	36	46	42	7	10	9	19	22	21	**9**
8	19	17	18	27	34	31	30	39	36	5	7	7	13	14	14	**8**
7	14	12	12	22	28	26	25	31	29	3	5	4	8	8	8	**7**
6	9	8	8	18	22	20	20	24	22	2	3	3	4	4	4	**6**
5	5	5	5	14	16	16	14	16	15	2	2	2	2	2	2	**5**
4	2	3	3	10	12	11	9	10	9	1	1	1	1	1	1	**4**
3	1	2	1	7	8	8	6	6	6	1	1	1	1	1	1	**3**
2	1	1	1	5	6	6	3	3	3	1	1	1	1	1	1	**2**
1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	**1**
Mean	13.1	14.1	13.7	13.5	11.5	12.2	13.3	11.6	12.3	17.6	15.6	16.4	14.5	13.3	13.8	*Mean*
S.D.	5.4	5.8	5.7	7.5	6.6	7.1	7.8	7.1	7.4	6.4	5.7	6.1	5.9	5.4	5.6	*S.D.*

Sample size M: 594; W: 985; T: 1,579

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	12	26	21	11	13	13	18	23	22	11	14	13	11	19	16	**A** (4)
B (3)	36	42	40	26	29	28	36	36	36	31	31	31	44	50	48	**B** (3)
C (2)	43	26	33	39	32	35	33	28	30	32	30	31	41	29	34	**C** (2)
D (1)	5	4	4	12	12	12	6	4	5	7	6	6	4	2	2	**D** (1)
F (0)	0	0	0	2	0	1	0	0	0	1	0	1	0	0	0	**F** (0)
Not Taken	3	3	3	10	13	12	7	8	7	12	18	18				**Not Taken**
Mean	2.57	2.92	2.79	2.34	2.49	2.44	2.71	2.86	2.80	2.52	2.67	2.61	2.52	2.73	2.65	*Mean*
S.D.	.78	.84	.83	.94	.93	.94	.85	.85	.85	.88	.85	.86	.65	.66	.67	*S.D.*

Sample size M: 557; W: 949; T: 1,506

[a]Rounded to the nearest whole letter grade

TABLE 2.52

ACT Score and High School Grade Norms for Students with Family Incomes of $3,000-$5,999

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	98	99	99	99	99	99	97	99	98	99	99	99	**32**
31	99	99	99	98	99	99	99	99	99	94	98	97	99	99	99	**31**
30	99	99	99	97	99	98	98	99	99	91	97	94	99	99	99	**30**
29	99	99	99	95	99	97	96	99	98	88	95	92	98	99	99	**29**
28	99	99	99	93	98	96	94	98	96	84	93	89	96	99	98	**28**
27	99	98	99	90	97	94	91	96	94	81	91	87	94	98	96	**27**
26	99	98	98	87	95	91	88	94	91	78	89	84	91	96	94	**26**
25	97	96	97	84	93	89	84	91	88	75	87	81	88	94	92	**25**
24	96	94	94	81	91	86	79	89	84	71	84	78	85	92	89	**24**
23	93	91	92	78	89	84	74	85	80	68	81	75	81	89	86	**23**
22	89	86	88	75	87	82	70	81	76	64	78	72	77	86	82	**22**
21	85	80	82	73	85	80	66	78	72	60	76	69	73	82	78	**21**
20	80	74	77	70	82	77	62	74	69	55	72	64	68	78	74	**20**
19	74	68	71	67	80	74	59	71	66	51	67	60	64	74	69	**19**
18	68	60	64	63	76	71	57	69	64	46	62	55	58	70	65	**18**
17	61	53	57	59	71	66	54	66	61	41	57	50	53	65	60	**17**
16	54	46	49	53	66	60	52	63	58	36	49	43	48	60	55	**16**
15	48	39	43	45	61	54	50	60	56	28	40	35	43	53	49	**15**
14	44	34	38	39	55	48	47	57	53	21	31	26	38	47	43	**14**
13	39	30	34	35	50	43	44	53	49	15	22	19	32	40	36	**13**
12	34	26	30	32	45	39	40	48	45	11	15	13	27	33	30	**12**
11	29	21	25	28	40	35	36	44	40	8	11	10	21	25	23	**11**
10	23	16	20	24	34	30	32	38	35	6	8	7	16	17	16	**10**
9	18	12	15	19	29	24	26	32	30	5	6	5	11	11	11	**9**
8	13	9	11	16	25	21	21	25	23	3	4	4	7	7	7	**8**
7	9	6	7	13	21	18	16	19	18	2	3	2	4	4	4	**7**
6	5	4	5	10	17	13	12	14	13	1	1	1	2	2	2	**6**
5	3	2	2	7	13	10	8	10	9	1	1	1	1	1	1	**5**
4	2	1	1	5	9	7	5	6	6	1	1	1	1	1	1	**4**
3	1	1	1	4	6	5	3	3	3	1	1	1	1	1	1	**3**
2	1	1	1	2	4	3	1	2	2	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	14.9	16.1	15.5	16.1	13.4	14.6	15.9	13.9	14.7	19.7	17.3	18.4	16.8	15.3	15.9	*Mean*
S.D.	5.6	5.5	5.6	7.6	7.0	7.4	8.1	7.3	7.8	6.9	5.9	6.5	6.2	5.5	5.9	*S.D.*
Sample size	M 1,214			W 1,547			T 2,761									

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	19	31	26	16	18	17	26	31	29	17	20	19	18	25	22	**A** (4)
B (3)	38	45	42	28	31	30	35	38	37	28	34	32	45	52	49	**B** (3)
C (2)	33	20	26	34	30	32	28	21	24	31	25	28	34	22	27	**C** (2)
D (1)	7	2	4	13	9	11	5	4	4	7	4	6	2	1	2	**D** (1)
F (0)	1	0	0	2	1	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	2	1	2	8	11	10	6	6	6	15	16	16				**Not Taken**
Mean	2.69	3.06	2.90	2.47	2.63	2.56	2.86	3.03	2.95	2.64	2.83	2.75	2.66	2.88	2.78	*Mean*
S.D.	.88	.79	.85	.99	.94	.96	.90	.85	.88	.93	.86	.89	.72	.65	.69	*S.D.*
Sample size	M 1,164			W 1,497			T 2,661									

[a]Rounded to the nearest whole letter grade.

TABLE 2.53

ACT Score and High School Grade Norms for Students with Family Incomes of $6,000-$7,499

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	98	99	99	99	99	99	96	99	98	99	99	99	**32**
31	99	99	99	97	99	98	99	99	99	93	97	95	99	99	99	**31**
30	99	99	99	96	98	97	97	99	98	89	96	93	99	99	99	**30**
29	99	99	99	94	97	96	95	98	97	85	93	90	97	99	98	**29**
28	99	99	99	91	96	94	94	97	95	81	91	86	95	98	97	**28**
27	99	98	98	86	94	91	91	95	93	77	88	83	93	97	95	**27**
26	98	96	97	82	91	87	86	92	90	73	85	79	90	94	92	**26**
25	96	94	95	78	87	83	80	89	85	69	82	76	85	91	88	**25**
24	95	91	93	74	84	80	75	84	80	65	78	72	80	87	84	**24**
23	92	86	89	71	81	76	70	80	75	61	75	69	76	83	80	**23**
22	88	80	84	68	79	74	65	75	70	57	71	65	71	79	75	**22**
21	83	72	77	65	76	71	60	71	66	52	68	60	66	75	71	**21**
20	77	66	71	62	73	68	57	67	62	48	63	56	61	70	66	**20**
19	70	60	65	58	70	65	54	64	59	43	57	51	56	65	61	**19**
18	63	52	57	54	67	61	51	61	57	38	52	46	50	61	56	**18**
17	56	44	49	50	62	56	48	58	54	32	46	40	45	55	50	**17**
16	49	38	43	44	57	51	46	56	51	27	37	33	41	49	45	**16**
15	42	33	37	38	50	45	43	53	49	21	29	25	35	42	39	**15**
14	36	28	32	33	44	39	39	49	45	16	22	19	30	36	33	**14**
13	31	23	27	29	40	35	35	44	40	11	15	13	24	30	27	**13**
12	27	19	23	26	36	31	31	39	35	8	11	9	18	23	21	**12**
11	22	15	18	22	31	27	26	35	31	6	7	7	13	17	15	**11**
10	17	11	14	18	27	23	21	30	26	5	5	5	10	11	11	**10**
9	12	8	10	16	23	20	17	24	21	3	4	4	7	8	7	**9**
8	8	6	7	13	19	17	13	19	16	2	3	2	4	4	4	**8**
7	5	4	5	11	16	14	10	14	12	1	1	1	2	2	2	**7**
6	3	2	3	8	12	10	7	10	9	1	1	1	1	1	1	**6**
5	2	1	1	5	9	7	4	7	6	1	1	1	1	1	1	**5**
4	1	1	1	4	6	5	2	4	3	1	1	1	1	1	1	**4**
3	1	1	1	3	4	4	1	2	2	1	1	1	1	1	1	**3**
2	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	15.8	17.2	16.6	17.6	15.2	16.3	17.3	15.3	16.2	20.9	18.7	19.7	18.0	16.7	17.3	*Mean*
S.D.	5.4	5.4	5.5	7.8	7.4	7.7	7.6	7.4	7.6	6.7	6.0	6.4	6.0	5.7	5.9	*S.D.*

Sample size M 925 W 1,105 T 2,030

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	19	40	30	17	21	20	28	39	34	20	24	22	20	34	28	**A** (4)
B (3)	43	40	41	30	30	30	38	34	36	32	32	32	50	46	47	**B** (3)
C (2)	31	17	24	32	29	31	23	20	21	28	25	26	28	20	24	**C** (2)
D (1)	5	2	3	10	9	9	4	3	3	5	4	4	2	1	1	**D** (1)
F (0)	0	0	1	1	0	1	0	0	0	1	0	1	0	0	0	**F** (0)
Not Taken	1	1	1	9	11	10	6	4	5	14	15	15				**Not Taken**
Mean	2.76	3.19	2.99	2.57	2.70	2.64	2.96	3.14	3.06	2.77	2.89	2.83	2.76	2.98	2.88	*Mean*
S.D.	.84	.78	.84	.97	.96	.96	.85	.85	.86	.90	.89	.90	.67	.68	.69	*S.D.*

Sample size M 897 W 1,077 T 1,974

[a]Rounded to the nearest whole letter grade

TABLE 2.54

ACT Score and High School Grade Norms for Students with Family Incomes of $7,500-$8,999

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	98	99	99	99	99	99	96	99	97	99	99	99	**32**
31	99	99	99	97	99	98	98	99	99	91	97	94	99	99	99	**31**
30	99	99	99	95	98	97	97	99	98	87	94	90	99	99	99	**30**
29	99	99	99	93	97	95	95	98	97	82	91	87	98	99	98	**29**
28	99	98	99	89	95	92	93	96	94	78	88	83	95	98	96	**28**
27	99	97	98	84	91	88	89	94	91	73	85	79	91	95	93	**27**
26	98	96	97	79	88	84	84	90	87	68	81	75	87	92	89	**26**
25	96	93	94	74	84	79	78	85	82	64	77	70	82	88	85	**25**
24	93	89	91	69	80	75	71	80	76	59	73	66	76	84	80	**24**
23	89	84	86	66	77	72	65	75	70	54	69	62	70	80	75	**23**
22	84	77	80	63	74	69	60	70	65	50	64	57	65	74	70	**22**
21	78	68	73	60	72	66	55	64	60	46	60	53	60	68	64	**21**
20	72	58	65	56	69	63	50	59	55	41	55	48	55	62	59	**20**
19	65	51	58	52	65	59	47	56	52	37	50	43	50	56	53	**19**
18	57	43	50	48	60	54	44	54	49	32	45	39	43	51	47	**18**
17	48	35	41	44	55	50	42	50	46	27	38	33	38	46	42	**17**
16	41	29	34	38	49	44	40	47	44	22	31	27	32	41	37	**16**
15	34	25	29	33	44	39	38	44	41	16	24	21	29	34	31	**15**
14	30	22	26	28	37	33	35	41	38	12	18	15	24	27	26	**14**
13	26	18	22	25	33	29	31	36	34	8	13	10	19	22	20	**13**
12	21	15	17	22	30	26	27	31	29	5	8	7	15	16	16	**12**
11	16	11	13	19	26	23	23	27	25	4	5	5	11	12	11	**11**
10	12	8	10	15	21	19	19	23	22	3	4	3	7	8	8	**10**
9	9	6	7	13	17	15	15	19	17	2	3	2	4	6	5	**9**
8	6	4	5	10	14	12	12	15	13	1	2	2	2	3	3	**8**
7	4	3	3	8	11	10	9	11	10	1	1	1	1	2	1	**7**
6	3	2	2	6	9	7	6	7	7	1	1	1	1	1	1	**6**
5	1	1	1	4	7	6	4	4	4	1	1	1	*	1	1	**5**
4	1	1	1	3	5	4	2	2	2	1	1	1	1	1	1	**4**
3	1	1	1	2	4	3	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.7	18.2	17.5	18.6	16.4	17.4	18.2	16.7	17.4	21.9	19.7	20.8	19.0	17.9	18.4	*Mean*
S.D.	5.2	5.2	5.3	7.7	7.4	7.6	7.6	7.3	7.5	6.5	6.1	6.4	5.9	5.6	5.8	*S.D.*
Sample size	M: 1,168.		W: 1,285.		T: 2,453.											

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	22	42	33	17	23	20	29	38	34	20	27	24	20	34	27	**A** (4)
B (3)	41	41	41	32	32	32	37	38	37	34	35	34	50	49	50	**B** (3)
C (2)	31	14	22	32	25	29	25	17	21	28	22	25	28	16	22	**C** (2)
D (1)	4	2	3	10	9	10	3	2	3	5	3	4	2	1	1	**D** (1)
F (0)	1	0	0	1	1	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	1	1	1	8	9	9	5	4	5	13	12	13				**Not Taken**
Mean	2.80	3.25	3.04	2.59	2.75	2.67	2.97	3.16	3.07	2.78	2.97	2.88	2.77	3.03	2.91	*Mean*
S.D.	.85	.76	.83	.95	.97	.97	.86	.81	.84	.88	.86	.88	.69	.66	.68	*S.D.*
Sample size	M: 1,129.		W: 1,255.		T: 2,384.											

[a]Rounded to the nearest whole letter grade.

TABLE 2.55

ACT Score and High School Grade Norms for Students with Family Incomes of $9,000-$11,999

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	99	99	99	99	97	99	99	99	99	99	**33**
32	99	99	99	97	99	98	99	99	99	95	99	97	99	99	99	**32**
31	99	99	99	96	99	97	97	99	98	90	97	94	99	99	99	**31**
30	99	99	99	94	98	96	96	98	97	85	95	90	98	99	99	**30**
29	99	99	99	90	96	93	93	97	95	80	92	86	96	98	97	**29**
28	99	98	99	86	94	90	90	95	93	75	88	82	93	97	95	**28**
27	98	97	98	80	90	86	86	92	90	70	85	78	89	95	92	**27**
26	97	95	96	75	87	81	80	89	85	65	80	73	84	92	88	**26**
25	95	92	94	69	82	76	74	84	79	60	76	68	78	88	83	**25**
24	92	88	90	64	78	71	67	78	73	55	72	64	73	83	78	**24**
23	88	83	85	60	74	67	60	72	66	50	67	59	66	77	72	**23**
22	82	75	78	56	71	64	54	67	61	44	61	53	60	71	66	**22**
21	75	65	70	53	68	61	49	61	55	40	56	48	54	65	60	**21**
20	67	56	61	50	64	57	44	56	50	35	51	43	48	59	54	**20**
19	60	47	53	46	60	53	41	53	47	30	46	38	42	53	48	**19**
18	52	39	45	42	56	49	38	50	45	26	40	33	37	46	42	**18**
17	44	32	38	36	51	44	36	48	42	22	34	28	32	41	36	**17**
16	37	26	32	31	45	38	34	45	40	17	27	22	26	35	31	**16**
15	31	21	26	25	39	32	32	42	37	12	21	17	21	29	25	**15**
14	26	18	22	21	34	28	28	38	33	8	14	11	17	24	20	**14**
13	22	15	18	18	29	24	24	34	29	5	9	7	13	19	16	**13**
12	17	12	14	15	26	21	21	29	25	4	5	4	10	14	12	**12**
11	13	9	11	13	23	18	18	25	22	3	3	3	7	10	8	**11**
10	9	6	8	11	19	15	14	20	17	2	2	2	5	6	5	**10**
9	6	4	5	9	16	12	11	16	13	1	2	2	3	4	3	**9**
8	4	3	3	7	13	10	9	12	10	1	1	1	1	2	2	**8**
7	3	2	2	6	11	8	6	8	7	1	1	1	1	1	1	**7**
6	2	1	1	4	8	6	4	6	5	1	1	1	1	1	1	**6**
5	1	1	1	3	6	4	3	4	3	1	1	1	1	1	1	**5**
4	1	1	1	2	4	3	2	2	2	1	1	1	1	1	1	**4**
3	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	17.3	18.7	18.0	19.9	17.1	18.5	19.4	17.3	18.3	22.8	20.3	21.5	20.0	18.4	19.2	*Mean*
S.D.	5.1	5.0	5.1	7.5	7.4	7.6	7.4	7.3	7.4	6.3	5.8	6.2	5.7	5.4	5.6	*S.D.*

Sample size: M 2,690; W 2,855; T 5,545

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	24	43	34	20	23	21	33	42	38	21	27	24	24	35	30	**A** (4)
B (3)	43	42	42	32	33	32	38	37	38	35	37	36	50	50	50	**B** (3)
C (2)	27	13	20	31	26	28	20	15	18	25	20	23	25	15	20	**C** (2)
D (1)	4	1	2	9	8	8	3	2	2	4	3	4	1	0	1	**D** (1)
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	1	1	1	7	10	9	5	4	4	13	13	13				**Not Taken**
Mean	2.88	3.28	3.09	2.66	2.78	2.72	3.07	3.23	3.15	2.84	3.00	2.92	2.85	3.07	2.96	*Mean*
S.D.	.83	.74	.81	.96	.93	.95	.84	.79	.82	.87	.83	.85	.67	.62	.66	*S.D.*

Sample size: M 2,630; W 2,778; T 5,408

[a]Rounded to the nearest whole letter grade.

TABLE 2.56

ACT Score and High School Grade Norms for Students with Family Incomes of $12,000-$14,999

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	99	99	99	99	97	99	98	99	99	99	**33**
32	99	99	99	97	99	98	99	99	99	94	98	96	99	99	99	**32**
31	99	99	99	96	98	97	98	99	99	90	96	93	99	99	99	**31**
30	99	99	99	93	97	95	96	98	97	85	93	89	98	99	99	**30**
29	99	99	99	89	96	93	94	97	96	79	90	85	97	98	97	**29**
28	99	98	98	85	93	89	91	95	93	74	87	80	93	96	95	**28**
27	99	96	97	79	90	84	86	92	89	68	83	75	89	93	91	**27**
26	97	94	96	74	85	79	80	88	84	63	78	71	84	90	87	**26**
25	95	91	93	67	81	74	73	82	78	58	73	66	78	86	82	**25**
24	92	86	89	62	76	69	66	76	71	54	68	61	72	80	76	**24**
23	88	80	84	58	73	65	59	70	65	49	63	56	65	75	70	**23**
22	82	71	77	54	70	62	53	64	59	44	57	50	59	69	64	**22**
21	74	61	68	51	66	58	48	59	54	39	52	46	52	62	57	**21**
20	67	52	59	47	62	55	43	54	49	34	47	40	46	56	51	**20**
19	59	44	51	43	58	50	40	51	45	29	41	35	40	50	45	**19**
18	49	35	42	38	54	46	37	48	42	25	36	30	34	43	39	**18**
17	40	28	34	34	48	41	34	44	39	20	30	25	29	37	33	**17**
16	34	23	28	29	41	35	32	41	36	15	23	19	24	31	27	**16**
15	28	18	23	24	36	30	29	38	34	11	17	14	19	25	22	**15**
14	23	15	19	20	30	25	26	34	30	7	11	9	15	19	17	**14**
13	19	12	16	17	26	21	22	30	26	4	7	6	11	15	13	**13**
12	15	9	12	14	23	18	19	26	22	3	4	3	8	11	9	**12**
11	11	7	9	12	20	16	16	22	19	2	3	2	5	7	6	**11**
10	8	4	6	10	17	13	13	18	15	1	2	1	3	4	4	**10**
9	5	3	4	8	13	11	9	13	11	1	1	1	2	2	2	**9**
8	3	1	2	6	11	9	7	10	8	1	1	1	1	1	1	**8**
7	2	1	1	5	8	7	5	6	6	1	1	1	1	1	1	**7**
6	1	1	1	4	6	5	4	4	4	1	1	1	1	1	1	**6**
5	1	1	1	3	4	4	2	3	2	1	1	1	1	1	1	**5**
4	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	17.6	19.2	18.4	20.3	17.6	19.0	19.7	17.8	18.8	23.0	20.9	22.0	20.3	19.0	19.7	*Mean*
S.D.	4.9	4.8	4.9	7.3	7.2	7.4	7.1	7.1	7.2	6.2	5.8	6.1	5.4	5.3	5.4	*S.D.*

Sample size M 2,946 W 2,875 T 5,821

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	25	44	34	20	23	21	34	42	38	22	27	24	25	35	30	**A** (4)
B (3)	44	43	44	32	34	33	39	38	39	36	37	36	52	51	51	**B** (3)
C (2)	26	11	19	32	26	29	20	14	17	26	21	24	23	13	18	**C** (2)
D (1)	3	1	2	9	7	8	2	2	2	4	3	3	1	0	1	**D** (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	1	1	1	7	10	8	5	3	4	12	12	12				**Not Taken**
Mean	2.92	3.31	3.11	2.65	2.79	2.72	3.10	3.24	3.17	2.85	3.00	2.92	2.88	3.08	2.98	*Mean*
S.D.	.81	.71	.78	.96	.93	.95	.82	.78	.80	.86	.82	.85	.65	.61	.64	*S.D.*

Sample size M 2,880 W 2,816 T 5,696

[a]Rounded to the nearest whole letter grade

TABLE 2.57

ACT Score and High School Grade Norms for Students with Family Incomes of $15,000-$19,999

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	97	99	99	99	99	99	97	99	98	99	99	99	**33**
32	99	99	99	96	99	98	99	99	99	94	98	96	99	99	99	**32**
31	99	99	99	95	99	97	98	99	98	89	96	93	99	99	99	**31**
30	99	99	99	92	97	95	96	98	97	83	93	88	98	99	98	**30**
29	99	98	99	89	95	92	93	97	95	76	89	82	95	98	97	**29**
28	99	97	98	84	93	88	90	95	92	70	85	77	92	96	94	**28**
27	98	96	97	78	88	83	85	91	88	65	81	73	88	93	90	**27**
26	97	94	95	71	83	77	79	86	83	60	77	68	82	89	86	**26**
25	95	90	92	64	78	71	72	80	76	55	72	63	76	84	80	**25**
24	91	85	88	59	73	66	65	74	69	50	68	59	68	79	74	**24**
23	87	79	83	54	69	62	57	68	62	44	62	53	62	72	67	**23**
22	81	70	75	50	66	58	50	61	56	39	55	47	54	66	60	**22**
21	73	60	67	47	63	55	44	56	50	35	49	42	48	59	53	**21**
20	64	51	58	43	58	51	39	51	45	30	43	36	42	53	47	**20**
19	55	43	49	40	54	47	36	47	42	25	37	31	36	47	41	**19**
18	45	34	40	36	50	43	34	44	39	21	33	27	30	40	35	**18**
17	37	27	32	30	44	37	31	41	36	17	27	22	25	33	29	**17**
16	30	22	26	25	38	31	29	38	34	13	20	17	20	28	24	**16**
15	25	17	21	21	33	27	26	36	31	9	15	12	16	22	19	**15**
14	20	13	17	18	28	23	23	32	27	6	10	8	13	17	15	**14**
13	16	11	14	15	24	20	20	27	23	4	6	5	9	12	11	**13**
12	13	8	10	13	21	17	16	23	20	2	3	3	7	8	8	**12**
11	10	6	8	11	18	14	14	20	17	2	2	2	4	6	5	**11**
10	7	4	5	9	15	12	11	15	13	1	2	1	3	4	3	**10**
9	5	2	4	7	12	10	8	11	9	1	1	1	2	2	2	**9**
8	3	1	2	6	10	8	5	8	7	1	1	1	1	1	1	**8**
7	2	1	1	5	8	6	4	5	4	1	1	1	1	1	1	**7**
6	1	1	1	4	5	4	2	3	3	1	1	1	1	1	1	**6**
5	1	1	1	3	4	3	2	2	2	1	1	1	1	1	1	**5**
4	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.0	19.4	18.7	20.9	18.2	19.5	20.2	18.4	19.3	23.6	21.2	22.4	20.8	19.4	20.1	*Mean*
S.D.	4.8	4.7	4.8	7.3	7.2	7.4	6.9	7.0	7.0	6.1	5.7	6.0	5.4	5.2	5.3	*S.D.*

Sample size: M: 2,443; W: 2,457; T: 4,900

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	25	46	35	20	23	21	35	44	39	24	26	25	24	36	30	**A** (4)
B (3)	47	41	44	31	32	32	40	35	38	35	37	36	53	50	51	**B** (3)
C (2)	24	12	18	32	28	30	18	15	17	26	22	24	22	14	18	**C** (2)
D (1)	3	1	2	9	7	8	3	2	2	5	2	3	1	0	1	**D** (1)
F (0)	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	1	0	1	6	9	8	4	4	4	10	13	12				**Not Taken**
Mean	2.94	3.32	3.13	2.62	2.77	2.69	3.10	3.27	3.19	2.86	3.00	2.93	2.87	3.09	2.98	*Mean*
S.D.	.80	.72	.78	.98	.93	.96	.82	.78	.81	.88	.81	.85	.66	.61	.65	*S.D.*

Sample size: M: 2,384; W: 2,406; T: 4,790

[a]Rounded to the nearest whole letter grade.

TABLE 2.58

ACT Score and High School Grade Norms for Students with Family Incomes $20,000 and over

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	97	99	98	99	99	99	97	99	98	99	99	99	**33**
32	99	99	99	96	99	97	98	99	99	93	98	95	99	99	99	**32**
31	99	99	99	94	98	96	97	99	98	88	95	91	99	99	99	**31**
30	99	99	99	91	97	94	95	97	96	81	92	86	97	99	98	**30**
29	99	98	98	87	95	91	92	95	94	74	88	81	95	97	96	**29**
28	99	96	98	81	91	86	88	92	90	68	83	75	91	94	93	**28**
27	98	94	96	75	87	80	82	89	85	63	79	70	86	91	88	**27**
26	96	92	94	68	81	74	76	84	80	57	74	65	80	87	83	**26**
25	94	88	91	61	76	68	69	78	73	51	69	60	72	81	77	**25**
24	90	83	87	55	70	62	61	72	66	46	65	55	65	76	70	**24**
23	85	76	81	51	66	58	54	66	60	41	59	50	58	70	64	**23**
22	78	67	73	48	63	55	48	59	53	35	53	44	51	63	57	**22**
21	70	56	63	44	59	51	42	54	48	31	47	39	45	56	50	**21**
20	61	47	54	40	56	48	37	49	43	26	42	34	39	50	44	**20**
19	53	39	46	36	51	43	34	46	39	22	36	29	33	43	38	**19**
18	43	31	37	32	46	38	31	43	37	18	31	24	27	37	32	**18**
17	35	23	29	27	40	33	29	40	34	14	26	20	22	31	26	**17**
16	29	18	24	22	34	28	27	37	32	10	19	15	18	25	21	**16**
15	24	14	19	17	29	23	24	35	29	7	13	10	13	20	17	**15**
14	19	11	16	14	24	19	21	31	26	5	8	6	10	15	12	**14**
13	16	9	13	12	21	16	18	26	22	3	5	4	7	11	9	**13**
12	12	7	10	10	18	14	15	22	19	1	3	2	5	7	6	**12**
11	9	5	7	9	16	12	12	18	15	1	2	1	3	5	4	**11**
10	6	3	4	7	14	10	10	14	12	1	1	1	2	3	2	**10**
9	4	2	3	6	11	8	7	10	9	1	1	1	1	1	1	**9**
8	2	1	1	5	9	7	5	8	6	1	1	1	1	1	1	**8**
7	1	1	1	4	7	5	3	5	4	1	1	1	1	1	1	**7**
6	1	1	1	3	5	4	2	3	2	1	1	1	1	1	1	**6**
5	1	1	1	2	4	3	1	2	1	1	1	1	1	1	1	**5**
4	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.3	19.9	19.1	21.6	18.8	20.2	20.7	18.8	19.8	24.2	21.6	22.9	21.3	19.9	20.6	*Mean*
S.D.	4.8	4.7	4.8	7.1	7.2	7.3	6.9	7.1	7.0	5.8	5.7	5.9	5.2	5.2	5.3	*S.D.*

Sample size: M: 3,049; W: 2,800; T: 5,849

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	26	46	36	20	23	22	36	45	40	23	29	26	26	37	31	**A** (4)
B (3)	47	41	44	31	34	32	39	37	38	35	36	36	50	50	50	**B** (3)
C (2)	23	11	17	31	27	29	19	13	16	27	20	23	23	13	18	**C** (2)
D (1)	3	1	2	11	7	9	2	1	2	5	3	4	1	0	1	**D** (1)
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	1	0	1	6	8	7	3	4	4	10	12	11				**Not Taken**
Mean	2.97	3.33	3.14	2.62	2.78	2.70	3.12	3.29	3.20	2.84	3.04	2.93	2.88	3.11	2.99	*Mean*
S.D.	.79	.72	.78	.98	.93	.96	.82	.76	.80	.89	.82	.86	.66	.61	.65	*S.D.*

Sample size: M: 2,987; W: 2,758; T: 5,745

[a]Rounded to the nearest whole letter grade.

TABLE 2.59

ACT Score and High School Grade Norms for Students Who Chose Not to Disclose Family Income

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	98	99	98	99	99	99	95	98	97	99	99	99	**32**
31	99	99	99	96	98	97	98	99	99	91	96	94	99	99	99	**31**
30	99	99	99	94	97	96	96	98	97	85	94	90	98	99	99	**30**
29	99	99	99	91	95	93	94	97	96	80	90	86	97	98	97	**29**
28	99	98	98	87	92	90	91	95	93	75	87	82	94	96	95	**28**
27	98	96	97	82	88	85	87	91	89	70	84	78	90	93	92	**27**
26	97	94	95	76	84	81	81	87	85	65	80	73	85	90	88	**26**
25	95	90	92	70	80	76	74	82	79	60	75	69	79	85	83	**25**
24	93	85	88	65	76	71	68	76	73	55	71	64	74	80	77	**24**
23	89	79	83	60	73	67	61	70	66	50	66	59	67	75	72	**23**
22	83	70	76	57	70	64	55	65	60	45	60	53	61	69	65	**22**
21	76	61	68	54	66	61	50	60	55	40	55	49	55	63	59	**21**
20	68	53	60	51	63	58	45	56	51	36	50	44	49	58	54	**20**
19	61	46	53	47	58	53	42	52	48	31	44	38	43	51	48	**19**
18	53	38	45	43	53	49	40	49	45	27	39	33	37	45	42	**18**
17	44	31	37	38	48	43	37	46	42	22	32	28	32	39	36	**17**
16	37	25	30	32	41	37	35	43	40	17	25	21	27	33	30	**16**
15	31	21	25	27	35	32	33	40	37	13	18	16	22	27	25	**15**
14	26	17	21	22	31	27	30	36	33	9	13	11	18	22	20	**14**
13	22	14	17	19	27	23	26	32	30	6	9	8	13	17	15	**13**
12	18	11	14	16	23	20	22	28	26	4	5	5	10	12	11	**12**
11	14	8	11	13	20	17	19	24	22	3	3	3	7	9	8	**11**
10	10	6	7	11	17	15	15	19	18	2	2	2	4	6	5	**10**
9	7	4	5	9	14	12	12	15	13	1	2	1	3	3	3	**9**
8	4	3	3	7	11	9	9	11	10	1	1	1	2	2	2	**8**
7	3	2	2	5	9	7	6	8	7	1	1	1	1	1	1	**7**
6	2	1	1	4	7	6	4	6	5	1	1	1	1	1	1	**6**
5	1	1	1	3	5	4	3	3	3	1	1	1	1	1	1	**5**
4	1	1	1	2	3	3	2	2	2	1	1	1	1	1	1	**4**
3	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	17.2	19.0	18.2	19.7	17.6	18.5	19.2	17.6	18.3	22.7	20.5	21.5	19.8	18.8	19.2	*Mean*
S.D.	5.1	5.0	5.1	7.4	7.4	7.5	7.4	7.3	7.4	6.3	5.9	6.2	5.6	5.5	5.6	*S.D.*
Sample size	M 3,883			W 4,988			T 8,871									

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	23	40	32	18	22	20	30	39	35	20	25	23	22	32	28	**A** (4)
B (3)	41	44	43	30	33	31	38	37	38	33	36	35	49	51	50	**B** (3)
C (2)	30	15	21	32	29	30	24	17	20	28	21	24	27	16	21	**C** (2)
D (1)	4	1	2	11	8	9	3	2	2	5	3	4	2	1	1	**D** (1)
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	1	1	1	8	9	8	5	5	5	13	14	13				**Not Taken**
Mean	2.83	3.23	3.06	2.57	2.74	2.67	2.99	3.19	3.11	2.78	2.96	2.88	2.79	3.03	2.92	*Mean*
S.D.	.84	.74	.81	.98	.93	.96	.85	.80	.83	.89	.84	.87	.69	.63	.66	*S.D.*
Sample size	M 3,760			W 4,868			T 8,628									

[a]Rounded to the nearest whole letter grade

TABLE 2.60

ACT Score and High School Grade Norms for Students Planning to Major in Agriculture

ACT SCORE PERCENTILE RANKS

Standard Score	English M	English W	English T	Mathematics M	Mathematics W	Mathematics T	Social Studies M	Social Studies W	Social Studies T	Natural Sciences M	Natural Sciences W	Natural Sciences T	Composite M	Composite W	Composite T	Standard Score
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	97	97	97	99	99	99	**32**
31	99	99	99	99	98	98	99	98	99	94	92	93	99	99	99	**31**
30	99	99	99	97	97	97	98	97	98	89	87	89	99	98	99	**30**
29	99	99	99	96	95	96	97	95	96	83	82	83	98	97	98	**29**
28	99	97	99	93	92	93	94	92	94	77	78	77	97	94	96	**28**
27	99	95	98	89	88	89	91	87	90	72	73	72	94	90	94	**27**
26	99	93	98	85	84	84	85	81	85	67	67	67	91	85	90	**26**
25	98	90	96	79	80	79	79	75	79	62	63	62	86	81	85	**25**
24	96	86	94	74	75	74	74	68	73	58	59	58	81	75	80	**24**
23	93	77	90	70	70	70	68	61	67	52	53	53	74	68	73	**23**
22	89	70	85	67	67	67	61	55	60	46	47	46	68	61	67	**22**
21	83	62	79	64	64	64	56	50	55	41	42	41	62	55	61	**21**
20	76	54	72	60	61	60	51	46	50	36	37	36	55	50	54	**20**
19	68	48	65	55	57	56	47	43	47	31	32	31	49	44	48	**19**
18	59	39	56	50	51	51	45	41	45	27	27	27	43	40	43	**18**
17	50	31	47	44	46	44	43	39	42	21	21	21	38	34	37	**17**
16	43	26	40	38	40	38	41	36	40	16	15	16	32	27	31	**16**
15	36	21	33	32	34	32	38	33	37	11	11	11	27	21	26	**15**
14	30	17	28	27	28	27	35	30	34	7	8	8	21	17	21	**14**
13	26	14	24	23	23	23	30	27	30	5	5	5	16	13	15	**13**
12	21	11	19	19	20	19	26	23	26	3	3	3	11	11	11	**12**
11	16	9	15	16	17	16	22	19	22	2	2	2	8	8	8	**11**
10	12	7	11	14	16	14	18	16	18	1	2	1	5	5	5	**10**
9	8	5	8	12	14	12	14	13	14	1	1	1	3	4	3	**9**
8	5	3	5	10	12	10	10	9	10	1	1	1	2	2	2	**8**
7	3	2	3	8	8	8	7	7	7	1	1	1	1	1	1	**7**
6	2	1	2	6	6	6	5	4	5	1	1	1	1	1	1	**6**
5	1	1	1	4	5	4	3	2	3	1	1	1	1	1	1	**5**
4	1	1	1	3	3	3	2	1	2	1	1	1	1	1	1	**4**
3	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.4	19.0	16.8	18.1	18.0	18.1	18.1	19.0	18.2	22.5	22.5	22.5	18.9	19.7	19.0	*Mean*
S.D.	4.8	5.2	5.0	7.1	7.3	7.2	7.3	7.4	7.3	5.9	6.0	5.9	5.3	5.7	5.4	*S.D.*

Sample size M 1,564 W 335 T 1,899

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English M	English W	English T	Mathematics M	Mathematics W	Mathematics T	Social Studies M	Social Studies W	Social Studies T	Natural Sciences M	Natural Sciences W	Natural Sciences T	Average[1] M	Average[1] W	Average[1] T	High School Grade
A (4)	17	44	22	12	18	13	25	42	28	16	28	18	15	31	18	**A** (4)
B (3)	46	40	45	29	33	30	42	40	42	37	34	37	54	53	54	**B** (3)
C (2)	32	15	29	37	30	36	25	14	23	30	23	28	30	15	28	**C** (2)
D (1)	4	1	4	12	10	12	3	1	3	6	3	5	1	1	1	**D** (1)
F (0)	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	1	0	1	9	9	9	4	2	4	11	12	11				**Not Taken**
Mean	2.76	3.26	2.85	2.41	2.64	2.45	2.94	3.26	2.99	2.70	2.99	2.75	2.70	3.02	2.75	*Mean*
S.D.	.78	.77	.80	.93	.94	.94	.81	.77	.81	.85	.84	.85	.62	.62	.63	*S.D.*

Sample size M 1,522 W 329 T 1,851

[1]Rounded to the nearest whole letter grade

TABLE 2.61

ACT Score and High School Grade Norms for Students Planning to Major in Architecture

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	98	99	98	99	99	99	96	98	97	99	99	99	**32**
31	99	99	99	97	99	97	99	99	99	93	98	94	99	99	99	**31**
30	99	99	99	94	97	95	98	99	98	88	96	90	99	99	99	**30**
29	99	99	99	91	96	92	97	98	97	83	93	86	97	99	98	**29**
28	99	98	99	86	94	89	94	97	95	78	91	82	95	97	95	**28**
27	99	97	98	81	91	84	90	95	92	74	88	78	91	95	93	**27**
26	98	95	97	74	87	78	84	92	87	70	83	74	86	92	88	**26**
25	96	92	95	66	81	71	78	87	81	65	78	69	81	88	83	**25**
24	94	88	92	60	76	65	72	83	75	59	74	63	76	84	78	**24**
23	91	84	89	56	73	61	66	78	70	53	70	58	70	79	73	**23**
22	85	78	83	52	69	57	61	72	64	47	65	52	62	75	66	**22**
21	77	70	75	49	66	54	56	67	59	43	59	48	55	70	60	**21**
20	69	63	67	45	63	50	52	64	55	37	55	43	49	64	54	**20**
19	63	56	61	40	60	46	48	61	52	32	50	38	44	57	48	**19**
18	54	45	51	36	56	42	44	58	48	28	43	33	38	51	42	**18**
17	44	35	41	31	50	37	42	54	45	23	36	27	32	45	36	**17**
16	36	29	34	26	44	31	40	50	43	18	29	22	27	37	30	**16**
15	31	26	30	21	39	27	38	48	41	14	22	16	22	32	25	**15**
14	27	22	26	18	33	23	34	45	37	9	15	11	17	27	20	**14**
13	23	19	21	16	29	20	29	40	32	6	10	7	13	21	16	**13**
12	17	15	16	14	26	17	24	34	27	4	7	5	10	17	12	**12**
11	13	10	12	12	22	15	20	29	23	3	4	3	7	12	8	**11**
10	9	7	8	9	19	12	16	24	18	2	2	2	5	8	6	**10**
9	6	6	6	7	16	10	11	19	14	1	2	1	3	5	4	**9**
8	4	3	4	6	14	9	8	14	10	1	2	1	2	2	2	**8**
7	2	2	2	5	12	7	6	9	7	1	2	1	1	1	1	**7**
6	1	1	1	4	8	5	4	6	5	1	1	1	1	1	1	**6**
5	1	1	1	3	7	4	2	4	2	1	1	1	1	1	1	**5**
4	1	1	1	2	3	2	1	2	1	1	1	1	1	1	1	**4**
3	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	17.1	18.1	17.4	20.5	17.2	19.5	18.4	16.2	17.7	22.2	19.8	21.5	19.7	17.9	19.2	*Mean*
S.D.	4.9	5.1	5.0	7.2	7.5	7.4	7.1	7.1	7.2	6.1	5.8	6.1	5.5	5.5	5.5	*S.D.*

Sample size M 558 W 243 T 801

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	21	33	25	16	18	17	31	33	31	14	21	16	19	24	21	**A** (4)
B (3)	41	48	43	33	30	32	37	37	37	37	30	35	52	53	52	**B** (3)
C (2)	33	17	28	34	36	35	23	22	23	28	29	28	27	21	25	**C** (2)
D (1)	5	1	4	9	7	9	4	3	4	4	4	4	2	2	2	**D** (1)
F (0)	0	0	0	1	2	1	0	0	0	0	1	1	0	0	0	**F** (0)
Not Taken	0	1	1	6	8	7	5	4	5	16	16	16				**Not Taken**
Mean	2.79	3.13	2.89	2.58	2.59	2.58	2.98	3.05	3.00	2.72	2.77	2.74	2.76	2.89	2.80	*Mean*
S.D.	.84	.73	.82	.92	.94	.93	.88	.85	.87	.82	.92	.85	.67	.66	.67	*S.D.*

Sample size M 541 W 241 T 782

[a]Rounded to the nearest whole letter grade

TABLE 2.62

ACT Score and High School Grade Norms for Students Planning to Major in Biological Sciences

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	**34**
33	99	99	99	97	99	98	99	99	99	94	98	96	99	99	99	**33**
32	99	99	99	96	98	97	99	99	99	88	94	91	99	99	99	**32**
31	99	99	99	94	98	96	97	98	98	81	89	85	99	99	99	**31**
30	99	99	99	91	96	93	94	97	96	73	84	78	97	97	97	**30**
29	99	98	98	88	92	90	91	94	93	65	77	71	95	95	95	**29**
28	99	96	97	82	86	84	87	90	88	57	71	64	90	92	91	**28**
27	98	94	96	74	80	77	82	84	83	50	65	57	84	87	85	**27**
26	97	91	94	66	73	69	74	77	76	42	60	51	76	79	78	**26**
25	94	86	90	58	68	63	66	70	68	36	54	45	67	72	69	**25**
24	90	79	85	50	63	56	57	63	60	32	49	40	58	64	61	**24**
23	84	71	77	45	59	52	48	55	51	28	43	36	49	56	53	**23**
22	75	60	68	42	54	48	42	48	45	25	37	31	41	49	45	**22**
21	66	50	58	38	49	44	37	43	40	21	33	27	34	43	38	**21**
20	55	42	49	35	45	40	32	39	35	18	30	24	28	37	32	**20**
19	47	35	41	32	40	36	28	36	32	15	25	20	24	33	28	**19**
18	40	28	34	27	35	31	26	34	30	13	21	17	20	28	24	**18**
17	32	23	27	23	30	26	24	32	28	10	17	14	18	23	21	**17**
16	26	18	22	19	26	22	23	31	26	8	14	11	16	20	18	**16**
15	21	15	18	15	22	18	20	29	24	6	11	8	12	16	14	**15**
14	16	13	14	11	19	15	18	26	22	4	8	6	8	13	11	**14**
13	13	10	12	9	17	13	15	22	19	3	5	4	6	11	8	**13**
12	10	8	9	8	14	11	13	18	16	3	4	3	5	8	6	**12**
11	7	6	7	7	13	10	11	15	13	2	2	2	3	5	4	**11**
10	5	4	4	6	11	8	9	12	10	1	2	2	2	3	3	**10**
9	3	2	3	5	9	7	7	9	8	1	2	1	2	2	2	**9**
8	2	2	2	4	7	5	5	6	6	1	1	1	1	1	1	**8**
7	1	1	1	3	5	4	4	4	4	1	1	1	1	1	1	**7**
6	1	1	1	2	4	3	3	2	2	1	1	1	1	1	1	**6**
5	1	1	1	1	4	2	2	2	2	1	1	1	1	1	1	**5**
4	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.7	20.2	19.4	22.2	20.3	21.3	21.4	20.1	20.8	25.8	23.5	24.7	22.1	21.1	21.7	*Mean*
S.D.	4.7	5.0	4.9	6.7	7.3	7.0	6.7	7.1	7.0	5.9	6.2	6.2	5.2	5.6	5.4	*S.D.*

Sample size M 673 W 628 T 1,301

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	35	52	43	22	28	25	42	51	46	38	42	40	34	48	41	**A** (4)
B (3)	43	39	41	33	38	35	35	35	35	34	40	37	50	45	47	**B** (3)
C (2)	19	8	14	28	23	26	17	10	13	19	13	16	15	7	11	**C** (2)
D (1)	2	1	1	9	4	7	1	1	1	3	1	2	0	0	0	**D** (1)
F (0)	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	1	0	1	6	6	6	5	4	5	5	4	5				**Not Taken**
Mean	3.12	3.42	3.27	2.71	2.95	2.83	3.24	3.41	3.33	3.10	3.29	3.19	3.04	3.27	3.15	*Mean*
S.D.	.80	.67	.75	.97	.87	.93	.78	.70	.75	.89	.74	.83	.65	.54	.61	*S.D.*

Sample size M 658 W 615 T 1,273

[a]Rounded to the nearest whole letter grade

TABLE 2.63

ACT Score and High School Grade Norms for Students Planning to Major in Business and Commerce

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**32**
31	99	99	99	98	99	99	99	99	99	96	99	97	99	99	99	**31**
30	99	99	99	96	99	97	98	99	98	92	97	95	99	99	99	**30**
29	99	99	99	94	98	96	96	99	97	88	96	92	98	99	99	**29**
28	99	99	99	90	97	93	94	98	96	84	94	89	97	99	98	**28**
27	99	98	99	86	94	90	91	96	94	80	93	86	95	98	96	**27**
26	98	97	98	81	92	86	86	94	90	76	90	83	91	95	93	**26**
25	97	95	96	75	89	82	80	91	86	71	87	79	87	93	90	**25**
24	95	92	94	70	86	78	74	87	81	66	85	75	81	91	86	**24**
23	93	88	90	66	83	75	67	83	75	61	81	71	75	87	81	**23**
22	88	82	85	62	81	72	61	79	70	55	77	66	68	83	76	**22**
21	82	74	78	59	78	68	55	75	65	50	72	61	62	78	70	**21**
20	74	66	70	55	75	65	50	71	61	44	67	56	56	73	65	**20**
19	67	58	62	51	72	61	47	67	57	39	62	51	50	68	59	**19**
18	57	49	53	46	67	56	44	65	55	34	56	45	43	62	53	**18**
17	48	42	45	40	61	51	42	62	52	29	49	39	37	56	46	**17**
16	41	35	38	34	55	44	39	59	49	22	40	31	31	49	40	**16**
15	35	29	32	28	49	39	37	56	47	17	31	24	26	43	34	**15**
14	29	25	27	24	43	33	33	52	43	12	23	17	21	35	28	**14**
13	25	21	23	21	38	29	29	47	38	8	16	12	16	29	22	**13**
12	20	17	19	18	34	26	25	43	34	5	10	7	12	22	17	**12**
11	15	13	14	15	30	23	21	38	29	3	7	5	9	16	12	**11**
10	11	10	11	13	26	19	17	32	24	3	5	4	6	11	8	**10**
9	8	7	8	11	21	16	13	25	19	2	4	3	3	7	5	**9**
8	5	5	5	9	18	13	9	19	14	1	3	2	2	4	3	**8**
7	3	3	3	7	15	11	7	14	10	1	2	1	1	2	2	**7**
6	2	2	2	5	11	8	5	10	7	1	1	1	1	1	1	**6**
5	1	1	1	4	9	6	3	6	5	1	1	1	1	1	1	**5**
4	1	1	1	3	6	4	2	3	3	1	1	1	1	1	1	**4**
3	1	1	1	2	4	3	1	2	1	1	1	1	1	1	1	**3**
2	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.5	17.4	17.0	18.9	15.2	17.0	11.3	14.8	16.5	21.1	18.0	19.6	18.8	16.5	17.7	*Mean*
S.D.	4.9	5.1	5.0	7.3	7.2	7.4	7.2	7.1	7.4	6.0	5.5	6.0	5.4	5.3	5.5	*S.D.*
Sample size	M: 3,092			W: 3,143			T: 6,235									

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	19	35	27	15	22	19	25	34	29	14	21	17	16	29	22	**A** (4)
B (3)	45	46	46	31	33	32	43	38	41	34	32	33	55	52	53	**B** (3)
C (2)	31	17	24	35	26	31	25	21	23	31	25	28	28	19	23	**C** (2)
D (1)	4	1	3	10	7	9	3	2	3	5	4	4	2	1	1	**D** (1)
F (0)	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	1	1	1	8	11	9	4	5	5	15	19	17				**Not Taken**
Mean	2.79	3.14	2.97	2.53	2.78	2.65	2.94	3.09	3.01	2.66	2.85	2.76	2.72	2.96	2.84	*Mean*
S.D.	.79	.75	.79	.93	.93	.94	.80	.82	.82	.84	.86	.86	.63	.64	.64	*S.D.*
Sample size	M: 3,007			W: 3,069			T: 6,076									

[a]Rounded to the nearest whole letter grade.

TABLE 2.64

ACT Score and High School Grade Norms for Students Planning to Major in Communications

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	**32**
31	99	98	99	99	99	99	97	99	98	95	96	96	99	99	99	**31**
30	99	98	99	98	98	98	95	98	96	91	92	92	99	99	99	**30**
29	99	97	98	96	97	97	92	95	94	87	88	87	98	98	98	**29**
28	98	96	97	93	95	94	88	91	89	82	84	83	96	95	95	**28**
27	97	93	95	88	92	90	83	87	85	77	81	79	92	92	92	**27**
26	96	89	93	84	87	86	78	82	80	72	78	75	88	87	87	**26**
25	93	84	89	80	83	81	71	76	73	68	74	70	82	81	82	**25**
24	89	77	84	76	80	78	63	67	65	63	69	66	76	76	76	**24**
23	83	69	77	72	77	74	54	59	56	57	63	60	70	70	70	**23**
22	76	60	69	69	73	71	47	53	50	51	57	53	63	64	64	**22**
21	68	50	60	65	69	67	43	47	45	44	51	47	57	56	56	**21**
20	61	42	53	61	63	62	38	42	40	39	45	42	50	49	49	**20**
19	55	36	47	57	59	58	35	39	37	35	40	37	44	44	44	**19**
18	47	30	39	53	56	54	33	36	34	30	36	33	38	39	38	**18**
17	38	23	32	47	50	48	31	33	32	25	31	28	33	33	33	**17**
16	31	17	25	41	42	41	29	31	30	20	23	22	27	28	28	**16**
15	25	13	20	34	36	35	27	28	27	16	16	16	22	23	22	**15**
14	21	11	17	29	32	30	24	24	24	11	11	11	17	18	17	**14**
13	18	8	14	25	29	27	21	21	21	6	7	7	13	13	13	**13**
12	14	6	11	22	26	24	17	18	17	4	4	4	10	8	9	**12**
11	11	4	8	18	23	20	15	15	15	3	3	3	7	5	6	**11**
10	9	3	6	15	19	17	12	12	12	2	2	2	4	3	4	**10**
9	6	2	4	12	15	14	10	10	10	2	2	2	3	2	2	**9**
8	4	1	3	10	12	11	7	7	7	1	1	1	2	1	1	**8**
7	2	1	2	7	10	9	4	6	5	1	1	1	1	1	1	**7**
6	1	1	1	5	7	6	3	3	3	1	1	1	1	1	1	**6**
5	1	1	1	4	5	5	2	1	2	1	1	1	1	1	1	**5**
4	1	1	1	3	3	3	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	3	2	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.0	20.4	19.1	17.8	17.1	17.5	20.3	19.7	20.0	21.7	21.0	21.4	19.6	19.7	19.6	*Mean*
S.D.	5.2	4.9	5.2	7.1	7.1	7.1	7.2	6.9	7.1	6.0	5.8	6.0	5.5	5.3	5.4	*S.D.*

Sample size: M 557 W 431 T 988

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	27	52	38	14	18	16	35	48	41	14	23	18	19	37	27	**A** (4)
B (3)	46	37	42	25	33	29	40	31	36	35	36	36	55	51	53	**B** (3)
C (2)	21	9	16	34	30	32	21	13	17	30	24	27	24	12	19	**C** (2)
D (1)	4	1	3	16	9	13	1	2	2	6	3	5	2	0	1	**D** (1)
F (0)	0	0	0	2	0	1	0	0	0	1	0	1	0	0	0	**F** (0)
Not Taken	1	1	1	9	10	9	3	5	4	14	14	14				**Not Taken**
Mean	2.97	3.42	3.17	2.39	2.66	2.50	3.11	3.33	3.20	2.65	2.91	2.77	2.78	3.09	2.92	*Mean*
S.D.	.83	.68	.80	1.00	.92	.98	.80	.80	.81	.87	.85	.87	.64	.57	.63	*S.D.*

Sample size: M 542 W 425 T 967

[a]Rounded to the nearest whole letter grade.

TABLE 2.65

ACT Score and High School Grade Norms for Students Planning to Major in Computer and Information Science Fields

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	96	99	98	99	99	99	97	99	98	99	99	99	**33**
32	99	99	99	95	99	97	99	99	99	94	99	96	99	99	99	**32**
31	99	99	99	93	97	95	98	99	99	89	97	92	99	99	99	**31**
30	99	99	99	90	95	92	97	99	97	84	96	89	97	99	98	**30**
29	99	99	99	86	93	89	94	98	96	80	93	85	95	98	97	**29**
28	99	98	99	81	89	85	91	96	93	75	88	80	93	96	94	**28**
27	98	97	98	75	84	79	87	93	90	70	84	76	88	94	91	**27**
26	98	95	97	69	79	73	82	90	85	66	80	72	83	91	86	**26**
25	97	92	95	62	74	67	77	87	81	62	77	68	78	86	81	**25**
24	94	89	92	56	70	62	71	83	76	58	74	65	73	80	75	**24**
23	90	84	88	51	66	57	65	78	70	53	71	60	66	75	70	**23**
22	83	76	81	48	64	54	60	72	65	47	67	55	59	71	64	**22**
21	76	73	74	45	61	51	55	67	60	42	63	50	53	66	58	**21**
20	69	66	68	42	58	48	50	63	55	37	59	46	47	61	53	**20**
19	63	59	61	39	55	45	46	61	52	33	54	41	42	56	48	**19**
18	56	51	54	37	51	42	43	58	49	29	49	37	37	50	43	**18**
17	48	42	46	33	46	38	40	56	46	25	43	33	33	46	38	**17**
16	40	35	38	28	41	33	37	54	44	21	36	27	30	44	35	**16**
15	33	31	32	24	36	29	35	52	42	16	30	22	26	39	31	**15**
14	28	28	28	20	31	25	32	48	38	12	24	17	21	34	26	**14**
13	24	24	24	18	28	22	28	44	35	8	19	12	16	29	21	**13**
12	21	19	20	15	25	19	24	40	31	5	14	9	12	23	16	**12**
11	17	14	16	12	22	16	21	35	27	4	10	6	9	17	12	**11**
10	13	11	12	9	19	13	18	29	22	2	7	4	6	12	9	**10**
9	9	9	9	8	16	11	14	25	19	2	5	3	4	8	6	**9**
8	6	6	6	7	13	9	11	20	15	1	3	2	3	4	4	**8**
7	4	4	4	6	10	7	8	14	10	1	2	1	2	3	2	**7**
6	3	3	3	4	7	5	5	10	7	1	1	1	1	2	1	**6**
5	1	2	1	3	5	4	3	7	5	1	1	1	1	1	1	**5**
4	1	1	1	2	4	3	2	5	4	1	1	1	1	1	1	**4**
3	1	1	1	1	3	2	1	3	2	1	1	1	1	1	1	**3**
2	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.8	17.4	17.1	21.0	18.1	19.8	18.5	15.6	17.4	22.3	19.0	21.0	19.8	17.7	18.9	*Mean*
S.D.	5.3	5.6	5.4	7.7	8.0	8.0	7.5	7.7	7.4	6.6	6.6	6.8	6.0	6.2	6.2	*S.D.*

Sample size M 482, W 328, T 810

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	20	32	25	24	35	28	31	34	32	24	22	23	24	34	28	**A** (4)
B (3)	47	46	46	37	32	35	39	41	40	34	40	37	53	52	52	**B** (3)
C (2)	27	19	24	27	20	24	23	18	21	23	18	21	22	15	19	**C** (2)
D (1)	3	2	2	7	5	6	3	2	3	5	3	4	1	0	1	**D** (1)
F (0)	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	2	0	1	5	8	6	4	5	5	14	17	15				**Not Taken**
Mean	2.83	3.09	2.94	2.80	3.06	2.91	3.01	3.13	3.06	2.90	2.99	2.93	2.87	3.07	2.95	*Mean*
S.D.	.82	.77	.81	.92	.91	.92	.85	.78	.83	.87	.79	.84	.64	.62	.64	*S.D.*

Sample size M 466, W 322, T 788

[a]Rounded to the nearest whole letter grade.

TABLE 2.66

ACT Score and High School Grade Norms for Students Planning to Major in Education Fields

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**32**
31	99	99	99	98	99	99	99	99	99	96	98	98	99	99	99	**31**
30	99	99	99	97	99	98	99	99	99	94	96	96	99	99	99	**30**
29	99	99	99	96	97	97	97	98	98	91	94	93	99	99	99	**29**
28	99	98	99	93	96	95	95	97	96	87	92	91	98	98	98	**28**
27	99	97	98	90	93	92	93	95	94	84	89	88	96	96	96	**27**
26	99	96	96	87	89	88	89	91	91	81	86	84	93	94	94	**26**
25	97	94	95	83	85	84	84	87	86	77	82	81	90	90	90	**25**
24	95	90	91	79	82	81	79	82	82	73	79	77	86	86	86	**24**
23	93	85	87	77	79	78	74	77	76	69	74	73	82	82	82	**23**
22	89	78	81	74	76	75	69	72	71	64	69	68	77	77	77	**22**
21	84	69	73	71	73	72	65	67	66	59	64	63	73	71	72	**21**
20	79	61	65	67	69	69	61	62	62	55	59	58	68	66	66	**20**
19	73	53	58	63	65	65	58	59	58	50	53	52	62	60	60	**19**
18	65	45	50	60	61	61	55	56	56	44	47	47	56	53	54	**18**
17	57	36	42	55	55	55	53	53	53	38	41	40	51	47	48	**17**
16	51	30	35	48	49	49	51	50	50	31	33	33	45	41	42	**16**
15	45	25	30	42	43	43	48	47	47	23	25	25	39	34	35	**15**
14	40	21	26	37	38	38	44	43	43	17	18	18	32	28	29	**14**
13	35	18	22	32	33	33	39	39	39	12	12	12	27	23	24	**13**
12	29	14	18	29	30	29	35	34	34	8	7	7	21	18	19	**12**
11	24	11	15	25	26	26	31	29	30	6	5	5	16	13	14	**11**
10	19	9	11	20	22	22	27	24	25	4	3	3	11	9	9	**10**
9	14	6	8	16	18	18	22	19	20	3	2	2	8	5	6	**9**
8	10	4	6	13	15	15	18	15	15	2	2	2	5	3	3	**8**
7	7	3	4	11	12	12	14	11	11	1	1	1	3	2	2	**7**
6	4	2	2	8	9	9	10	7	8	1	1	1	1	1	1	**6**
5	2	1	1	6	7	7	7	5	5	1	1	1	1	1	1	**5**
4	1	1	1	4	5	5	5	3	3	1	1	1	1	1	1	**4**
3	1	1	1	3	3	3	3	2	2	1	1	1	1	1	1	**3**
2	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	15.4	18.1	17.4	16.7	16.2	16.3	16.2	16.3	16.3	19.8	19.2	19.4	17.1	17.6	17.5	*Mean*
S.D.	5.4	5.2	5.4	7.4	7.3	7.4	7.8	7.2	7.4	6.1	5.7	5.8	5.8	5.4	5.5	*S.D.*
Sample size	M 1,342		W 3,887		T 5,229											

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	18	39	33	12	20	18	25	38	35	12	23	20	14	30	26	**A** (4)
B (3)	40	44	43	28	33	31	39	38	38	32	37	35	49	52	52	**B** (3)
C (2)	36	15	20	37	30	32	27	18	20	34	23	26	35	17	22	**C** (2)
D (1)	4	2	2	12	8	9	5	2	3	7	4	5	2	1	1	**D** (1)
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	2	0	1	9	9	9	4	4	4	16	14	14				**Not Taken**
Mean	2.71	3.20	3.08	2.40	2.70	2.62	2.86	3.16	3.08	2.57	2.90	2.82	2.63	2.99	2.90	*Mean*
S.D.	.82	.76	.80	.93	.92	.93	.87	.82	.84	.85	.85	.86	.66	.63	.66	*S.D.*
Sample size	M 1,297		W 3,788		T 5,085											

[a]Rounded to the nearest whole letter grade.

TABLE 2.67

ACT Score and High School Grade Norms for Students Planning to Major in Engineering Fields

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	98	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	98	96	98	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	97	94	96	99	99	99	96	97	96	99	99	99	**33**
32	99	99	99	95	92	95	99	96	99	90	92	90	99	98	99	**32**
31	99	99	99	92	88	92	97	94	97	84	85	84	99	96	99	**31**
30	99	97	99	88	84	88	95	93	95	76	78	76	97	91	97	**30**
29	99	94	99	82	80	81	93	90	93	69	73	69	94	86	93	**29**
28	99	90	98	74	72	74	89	85	89	62	67	63	89	79	88	**28**
27	98	87	97	67	63	67	84	79	84	57	61	57	83	74	82	**27**
26	96	84	96	59	55	59	77	73	77	52	56	52	76	69	76	**26**
25	94	80	93	53	49	52	70	66	70	46	50	47	69	64	69	**25**
24	90	75	90	47	44	47	63	59	63	42	44	42	61	58	61	**24**
23	86	68	84	42	41	42	56	52	56	38	37	38	54	51	54	**23**
22	79	57	78	38	38	38	50	46	50	34	30	33	48	43	47	**22**
21	71	46	70	35	34	35	45	40	45	30	27	30	43	36	42	**21**
20	63	38	61	32	32	32	41	35	40	27	26	27	37	31	37	**20**
19	55	33	54	29	30	29	37	32	37	23	24	23	33	27	32	**19**
18	47	26	46	26	26	26	34	30	34	18	21	19	28	23	28	**18**
17	39	19	38	22	22	22	32	28	32	15	16	15	24	19	23	**17**
16	33	15	32	18	18	18	30	25	30	12	11	12	19	15	19	**16**
15	28	13	27	14	16	15	28	23	28	9	8	9	15	13	15	**15**
14	23	12	22	12	15	12	25	21	24	6	6	6	12	11	12	**14**
13	19	12	18	10	13	10	21	20	21	4	5	4	9	9	9	**13**
12	15	12	15	8	11	8	18	18	18	3	4	3	6	7	6	**12**
11	11	10	11	6	10	7	15	15	15	2	4	2	4	6	4	**11**
10	8	9	8	6	8	6	12	12	12	1	3	1	3	5	3	**10**
9	6	7	6	5	7	5	10	9	10	1	1	1	2	4	2	**9**
8	4	6	4	4	7	4	7	8	7	1	1	1	1	4	1	**8**
7	3	5	3	3	5	3	5	6	5	1	1	1	1	3	1	**7**
6	1	4	2	2	4	2	4	5	4	1	1	1	1	2	1	**6**
5	1	3	1	2	4	2	2	4	2	1	1	1	1	1	1	**5**
4	1	1	1	1	3	1	1	3	1	1	1	1	1	1	1	**4**
3	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	17.8	20.5	18.0	22.9	22.9	22.9	20.1	20.8	20.1	24.5	24.2	24.5	21.4	22.3	21.5	*Mean*
S.D.	5.1	6.1	5.2	7.0	7.9	7.1	7.3	7.6	7.3	6.3	6.3	6.3	5.6	6.3	5.6	*S.D.*

Sample size M 2,339 W 151 T 2,490

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	26	56	28	31	46	32	35	59	36	30	44	31	32	57	33	**A** (4)
B (3)	43	34	43	34	30	34	37	29	36	35	39	35	47	35	47	**B** (3)
C (2)	25	9	24	24	16	24	20	6	19	20	8	19	20	7	19	**C** (2)
D (1)	4	1	4	7	5	7	3	2	3	4	3	4	1	1	1	**D** (1)
F (0)	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	**F** (0)
Not Taken	1	0	1	4	2	3	6	3	6	11	5	11				**Not Taken**
Mean	2.93	3.45	2.96	2.90	3.19	2.91	3.09	3.48	3.12	3.01	3.31	3.03	2.97	3.34	2.99	*Mean*
S.D.	.83	.71	.84	.96	.91	.96	.84	.77	.84	.88	.77	.88	.69	.64	.70	*S.D.*

Sample size M 2,279 W 149 T 2,428

[a]Rounded to the nearest whole letter grade.

TABLE 2.68

ACT Score and High School Grade Norms for Students Planning to Major in Fine and Applied Arts Fields

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	96	99	98	99	99	99	**32**
31	99	99	99	98	99	99	98	99	99	92	97	95	99	99	99	**31**
30	99	99	99	97	99	98	97	98	98	87	95	92	99	99	99	**30**
29	99	98	99	95	97	96	96	97	97	82	91	86	98	98	98	**29**
28	99	97	98	92	95	94	94	95	95	77	88	84	94	96	96	**28**
27	98	95	96	88	92	91	90	92	91	73	85	80	91	94	93	**27**
26	96	93	94	84	89	87	85	88	87	68	81	76	88	91	90	**26**
25	93	89	91	80	85	83	79	83	81	63	75	71	83	87	86	**25**
24	90	84	86	75	81	79	72	77	75	58	71	66	76	82	81	**24**
23	86	77	81	72	78	76	65	71	69	53	65	61	73	77	75	**23**
22	80	69	73	69	75	73	60	65	63	49	59	55	66	72	70	**22**
21	74	59	65	66	72	70	55	60	58	45	54	50	60	65	63	**21**
20	67	49	56	63	68	66	51	56	54	40	49	46	55	59	57	**20**
19	59	42	48	58	64	62	47	52	50	34	44	40	49	52	51	**19**
18	50	34	40	54	60	58	44	49	47	29	38	35	43	45	44	**18**
17	41	27	33	48	54	52	41	46	44	24	32	29	36	39	38	**17**
16	34	23	27	42	46	45	38	43	41	20	26	23	30	34	32	**16**
15	30	18	23	35	40	38	36	39	38	15	19	18	25	28	27	**15**
14	26	15	19	30	34	32	33	35	34	10	13	12	21	21	21	**14**
13	22	12	16	26	29	28	29	31	30	7	9	8	17	16	16	**13**
12	18	9	13	23	26	25	24	27	26	4	6	5	14	11	12	**12**
11	14	7	9	19	22	21	20	23	22	3	3	3	10	7	9	**11**
10	10	5	7	16	19	18	16	18	18	2	2	2	7	5	6	**10**
9	7	4	5	13	15	14	13	14	14	2	1	2	4	3	4	**9**
8	5	2	3	11	13	12	10	11	11	1	1	1	3	2	2	**8**
7	3	2	2	9	10	10	8	8	8	1	1	1	1	1	1	**7**
6	1	1	1	7	8	7	5	5	5	1	1	1	1	1	1	**6**
5	1	1	1	5	6	5	4	3	3	1	1	1	1	1	1	**5**
4	1	1	1	3	4	4	2	2	2	1	1	1	1	1	1	**4**
3	1	1	1	2	3	3	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	17.4	19.4	18.7	17.7	16.6	17.0	18.4	17.6	17.9	22.1	20.4	21.1	19.0	18.6	18.8	*Mean*
S.D.	5.3	5.0	5.2	7.4	7.0	7.2	7.4	7.2	7.2	6.4	5.8	6.0	5.7	5.3	5.5	*S.D.*

Sample size M 880, W 1,456, T 2,336

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	24	41	35	14	16	15	25	37	32	15	24	20	18	29	25	**A** (4)
B (3)	41	41	41	24	32	29	39	37	38	34	33	34	49	50	50	**B** (3)
C (2)	29	14	20	35	28	31	26	20	22	28	23	25	31	19	24	**C** (2)
D (1)	5	2	3	14	11	12	4	2	3	7	3	5	2	1	1	**D** (1)
F (0)	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	1	1	1	11	13	12	6	5	5	16	16	16				**Not Taken**
Mean	2.84	3.23	3.09	2.39	2.60	2.52	2.90	3.13	3.04	2.66	2.93	2.83	2.59	2.96	2.86	*Mean*
S.D.	.85	.77	.83	.99	.95	.97	.86	.82	.84	.87	.85	.87	.67	.65	.67	*S.D.*

Sample size M 850, W 1,418, T 2,268

[a]Rounded to the nearest whole letter grade

TABLE 2.69

ACT Score and High School Grade Norms for Students Planning to Major in Foreign Languages

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	96	99	98	99	99	99	97	99	99	99	99	99	**33**
32	99	99	99	96	97	97	99	99	99	96	96	96	99	99	99	**32**
31	99	99	99	96	96	96	97	97	97	92	91	91	99	98	98	**31**
30	99	97	98	93	95	94	94	94	94	84	87	87	98	97	97	**30**
29	99	96	96	90	93	92	92	91	91	78	83	82	96	94	95	**29**
28	99	94	95	88	89	89	85	87	86	73	78	77	90	90	90	**28**
27	96	91	92	86	84	84	77	80	80	70	72	72	84	85	85	**27**
26	93	86	87	79	77	77	73	74	74	65	66	66	79	81	81	**26**
25	89	79	81	71	71	71	68	70	69	58	59	59	74	74	74	**25**
24	84	70	73	69	67	67	64	62	63	52	53	53	70	66	67	**24**
23	76	62	65	64	64	64	54	55	55	49	48	48	66	60	61	**23**
22	65	54	56	60	60	60	39	50	48	45	43	43	60	52	54	**22**
21	60	44	47	58	57	57	32	43	41	39	38	39	49	45	46	**21**
20	57	35	40	55	53	54	28	39	37	35	35	35	40	39	39	**20**
19	50	29	33	49	47	48	27	36	34	30	32	32	34	33	33	**19**
18	41	23	27	44	40	41	27	33	32	25	28	28	29	28	28	**18**
17	36	19	22	39	35	35	26	30	29	21	24	23	23	23	23	**17**
16	29	15	18	35	30	31	24	28	27	19	17	18	20	18	19	**16**
15	22	11	13	29	25	26	22	24	23	16	13	14	17	15	15	**15**
14	18	9	11	21	20	20	20	20	20	16	9	11	13	11	12	**14**
13	15	7	9	17	17	17	17	18	18	13	6	7	13	8	9	**13**
12	13	5	7	13	15	14	15	15	15	9	3	4	13	6	7	**12**
11	11	4	5	10	13	12	13	12	12	6	2	3	11	4	5	**11**
10	8	3	4	9	11	10	10	10	10	3	2	2	6	4	4	**10**
9	7	2	3	9	8	8	9	8	8	2	2	2	3	3	3	**9**
8	6	2	3	9	7	7	5	5	5	1	1	1	1	1	1	**8**
7	5	2	3	8	5	6	2	4	4	1	1	1	1	1	1	**7**
6	4	2	2	6	4	4	2	3	3	1	1	1	1	1	1	**6**
5	2	1	1	4	3	3	2	2	2	1	1	1	1	1	1	**5**
4	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.6	21.1	20.6	19.4	19.7	19.6	21.2	20.6	20.7	22.6	22.6	22.6	20.6	21.1	21.0	*Mean*
S.D.	5.6	5.1	5.3	7.3	7.1	7.2	7.0	7.0	7.0	6.7	6.1	6.3	5.7	5.5	5.5	*S.D.*

Sample size M 56 W 223 T 279

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	29	53	48	15	23	22	43	45	44	13	27	24	21	38	35	**A** (4)
B (3)	42	35	36	30	39	38	30	39	38	28	45	41	56	51	52	**B** (3)
C (2)	24	11	14	33	24	26	19	11	13	28	17	19	23	11	13	**C** (2)
D (1)	0	0	0	11	6	7	2	1	1	9	1	3	0	0	0	**D** (1)
F (0)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	5	0	1	11	7	8	7	3	4	22	11	13				**Not Taken**
Mean	3.06	3.42	3.35	2.54	2.85	2.79	3.22	3.33	3.31	2.57	3.08	2.99	2.85	3.17	3.11	*Mean*
S.D.	.74	.69	.71	.91	.89	.90	.83	.72	.74	.90	.73	.79	.61	.54	.57	*S.D.*

Sample size M 55 W 222 T 277

[a]Rounded to the nearest whole letter grade

TABLE 2.70

ACT Score and High School Grade Norms for Students Planning to Major in Health Professions

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	97	99	99	99	99	99	97	99	99	99	99	99	**33**
32	99	99	99	96	99	98	99	99	99	93	98	97	99	99	99	**32**
31	99	99	99	95	98	97	97	99	99	87	96	94	99	99	99	**31**
30	99	99	99	92	97	96	96	99	98	80	93	89	98	99	99	**30**
29	99	99	99	88	95	93	93	98	96	72	89	84	95	98	97	**29**
28	99	99	99	82	93	90	89	96	94	66	85	80	91	96	95	**28**
27	98	97	98	75	89	85	84	93	90	61	81	75	86	94	92	**27**
26	97	95	96	67	85	80	76	89	85	56	77	71	79	90	87	**26**
25	94	92	93	60	80	74	68	84	79	50	72	66	71	86	82	**25**
24	91	88	89	54	75	69	61	78	73	45	68	61	64	81	76	**24**
23	85	82	83	50	72	66	54	72	67	40	62	56	57	75	70	**23**
22	78	74	75	46	69	62	47	66	61	34	57	50	51	69	64	**22**
21	70	65	66	43	65	59	42	61	56	30	52	46	44	63	57	**21**
20	61	56	58	39	62	55	38	56	51	26	47	41	38	56	51	**20**
19	53	49	50	35	58	51	35	53	48	21	41	36	32	51	45	**19**
18	44	41	41	31	53	47	32	50	45	18	36	31	27	45	40	**18**
17	35	33	34	27	48	42	30	47	42	15	30	26	22	39	34	**17**
16	29	28	28	23	42	37	28	44	40	11	25	21	18	34	29	**16**
15	24	23	23	18	36	31	26	41	37	8	18	16	15	28	25	**15**
14	20	19	19	15	31	27	23	37	33	6	13	11	12	23	20	**14**
13	17	16	16	13	28	24	20	33	29	4	9	7	9	18	16	**13**
12	13	13	13	11	24	21	17	29	26	2	6	5	6	14	12	**12**
11	10	9	9	10	21	18	14	25	22	2	4	3	5	10	8	**11**
10	7	7	7	9	18	15	11	21	18	1	3	2	3	7	6	**10**
9	4	5	5	7	15	13	8	16	14	1	2	2	2	4	3	**9**
8	3	3	3	6	12	10	6	12	10	1	1	1	1	2	2	**8**
7	2	2	2	5	10	8	4	9	8	1	1	1	1	1	1	**7**
6	1	1	1	3	7	6	3	6	5	1	1	1	1	1	1	**6**
5	1	1	1	2	5	4	2	4	3	1	1	1	1	1	1	**5**
4	1	1	1	2	4	3	1	2	2	1	1	1	1	1	1	**4**
3	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.2	18.5	18.4	21.5	17.6	18.6	20.4	17.3	18.2	24.2	20.8	21.8	21.2	18.7	19.4	*Mean*
S.D.	4.9	5.1	5.0	7.3	7.5	7.6	7.1	7.3	7.4	6.0	6.1	6.2	5.4	5.6	5.7	*S.D.*

Sample size M: 2,024; W: 5,259; T: 7283

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	32	42	39	26	23	24	44	42	42	32	28	29	35	35	35	**A** (4)
B (3)	43	43	43	32	33	33	33	36	35	36	38	38	46	50	48	**B** (3)
C (2)	21	13	15	28	28	28	16	15	15	21	22	22	18	15	16	**C** (2)
D (1)	2	1	1	7	7	7	2	2	2	4	2	3	1	0	1	**D** (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	1	1	1	6	9	8	5	5	5	7	9	9				**Not Taken**
Mean	3.05	3.27	3.21	2.80	2.77	2.78	3.26	3.23	3.24	3.03	3.01	3.01	3.03	3.07	3.06	*Mean*
S.D.	.81	.73	.76	.95	.93	.94	.81	.80	.80	.86	.81	.83	.68	.63	.64	*S.D.*

Sample size M: 1,988; W: 5,089; T: 7,077

[a]Rounded to the nearest whole letter grade

TABLE 2.71

ACT Score and High School Grade Norms for Students Planning to Major in Home Economics

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	99	98	98	99	99	99	**31**
30	99	99	99	99	98	98	99	99	99	99	97	97	99	99	99	**30**
29	99	99	99	99	97	97	99	98	98	88	94	94	99	99	99	**29**
28	99	99	99	94	95	95	99	97	97	69	91	91	99	98	98	**28**
27	99	98	98	88	92	92	94	95	95	56	89	88	99	96	96	**27**
26	99	97	97	81	89	89	81	92	92	50	85	85	94	94	94	**26**
25	94	95	95	75	85	85	69	88	88	50	81	81	88	91	91	**25**
24	88	92	91	75	82	82	63	84	84	50	78	77	81	88	87	**24**
23	88	86	86	75	79	79	56	79	79	50	73	72	69	84	83	**23**
22	88	78	78	75	75	75	50	75	75	50	66	66	63	78	78	**22**
21	88	69	69	75	72	72	50	71	71	50	61	61	56	72	71	**21**
20	75	61	61	75	69	69	44	65	65	44	55	55	50	65	65	**20**
19	63	54	55	75	65	65	38	61	61	31	49	49	50	60	60	**19**
18	50	47	47	69	60	60	38	58	58	25	44	44	44	54	53	**18**
17	38	39	39	56	54	54	31	55	55	25	39	39	31	46	46	**17**
16	31	32	32	44	47	47	25	52	52	19	32	32	19	40	39	**16**
15	25	25	25	38	41	41	25	49	49	13	25	24	13	34	34	**15**
14	25	21	21	38	36	36	25	44	44	13	16	16	13	29	28	**14**
13	25	18	18	31	33	33	25	40	40	13	10	10	13	22	22	**13**
12	19	14	14	19	30	30	25	35	35	13	6	6	13	16	16	**12**
11	13	10	10	13	26	26	19	30	30	13	4	4	13	12	12	**11**
10	13	7	7	13	22	22	13	24	24	13	3	3	13	7	7	**10**
9	6	4	4	13	18	17	13	18	18	13	2	2	13	4	4	**9**
8	1	3	3	13	15	15	13	13	13	6	1	1	13	2	2	**8**
7	1	1	1	13	12	12	13	9	9	1	1	1	6	1	1	**7**
6	1	1	1	13	9	9	6	6	6	1	1	1	1	1	1	**6**
5	1	1	1	13	7	7	1	4	4	1	1	1	1	1	1	**5**
4	1	1	1	6	5	5	1	3	3	1	1	1	1	1	1	**4**
3	1	1	1	1	3	3	1	2	2	1	1	1	1	1	1	**3**
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	17.2	18.0	18.0	16.7	16.4	16.4	19.4	16.0	16.1	22.0	19.5	19.5	19.0	17.6	17.6	*Mean*
S.D.	4.7	4.9	4.9	7.2	7.3	7.3	7.1	7.0	7.0	7.1	5.6	5.6	5.6	5.2	5.2	*S.D.*

Sample size M 8 W 650 T 658

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	14	39	39	0	17	17	29	39	39	0	23	23	0	30	29	**A** (4)
B (3)	57	46	46	43	35	36	29	37	37	71	38	38	83	54	55	**B** (3)
C (2)	14	14	14	43	30	30	43	19	19	14	24	24	17	16	16	**C** (2)
D (1)	0	1	1	14	8	8	0	1	1	0	2	2	0	0	0	**D** (1)
F (0)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	14	0	0	0	9	9	0	5	5	14	13	13				**Not Taken**
Mean	3.00	3.23	3.22	2.29	2.68	2.67	2.86	3.20	3.20	2.83	2.94	2.94	2.75	3.01	3.01	*Mean*
S.D.	.58	.73	.73	.70	.89	.89	.83	.77	.77	.37	.80	.79	.38	.61	.61	*S.D.*

Sample size M 7 W 637 T 644

[a]Rounded to the nearest whole letter grade

TABLE 2.72

ACT Score and High School Grade Norms for Students Planning to Major in Letters

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	96	99	98	99	99	99	**33**
32	99	98	99	98	99	98	98	98	98	92	98	95	99	99	99	**32**
31	99	98	99	97	99	98	95	97	96	89	94	91	99	99	99	**31**
30	99	97	98	96	97	96	92	94	93	82	89	86	97	99	98	**30**
29	99	95	97	93	94	93	89	91	90	75	83	79	94	96	95	**29**
28	98	92	95	91	91	91	85	87	86	70	78	74	90	92	91	**28**
27	97	88	92	88	87	87	81	81	81	66	73	70	88	86	87	**27**
26	95	82	88	83	83	83	75	74	75	60	67	64	84	81	83	**26**
25	92	74	83	77	79	78	67	66	67	54	61	58	78	74	76	**25**
24	88	67	77	71	74	72	58	59	58	49	56	52	71	66	68	**24**
23	81	58	69	65	69	67	49	53	51	44	50	47	62	59	60	**23**
22	75	50	63	61	65	63	43	47	45	40	44	42	54	51	52	**22**
21	69	43	56	58	62	60	39	41	40	37	38	37	47	44	45	**21**
20	61	34	47	54	57	55	36	36	36	33	35	34	42	39	41	**20**
19	53	25	39	49	50	50	34	34	34	28	31	29	38	35	36	**19**
18	45	19	32	44	46	45	31	32	32	23	26	25	32	30	31	**18**
17	37	14	25	40	41	40	28	30	29	18	21	19	27	25	26	**17**
16	28	11	20	34	35	34	27	28	28	13	15	14	23	21	22	**16**
15	22	8	15	28	29	29	25	26	25	10	12	11	19	16	17	**15**
14	19	6	12	23	25	24	23	23	23	7	8	8	15	13	14	**14**
13	18	5	11	19	21	20	21	21	21	5	5	5	11	10	10	**13**
12	15	4	10	15	19	17	18	17	18	3	2	3	8	6	7	**12**
11	13	4	8	11	16	14	15	14	14	3	2	2	6	4	5	**11**
10	10	2	6	9	14	11	13	11	12	3	1	2	3	2	3	**10**
9	7	2	4	7	12	9	10	8	9	2	1	1	3	1	2	**9**
8	4	1	3	6	10	8	7	6	6	1	1	1	2	1	1	**8**
7	2	1	1	4	7	6	4	4	4	1	1	1	1	1	1	**7**
6	1	1	1	3	6	5	3	2	2	1	1	1	1	1	1	**6**
5	1	1	1	3	4	3	2	1	1	1	1	1	1	1	1	**5**
4	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.2	21.8	20.0	19.2	18.6	18.9	20.8	20.7	20.7	23.4	22.6	23.0	20.6	21.0	20.8	*Mean*
S.D.	5.2	4.8	5.3	6.9	7.1	7.0	7.4	7.2	7.3	6.4	5.8	6.1	5.6	5.3	5.5	*S.D.*
Sample size	M 315		W 317	T 632												

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	29	63	46	17	18	17	33	43	38	20	29	25	24	38	31	**A** (4)
B (3)	43	27	35	31	32	31	39	36	38	33	36	35	47	46	47	**B** (3)
C (2)	22	8	15	33	32	33	21	18	19	27	19	23	28	14	21	**C** (2)
D (1)	5	1	3	10	7	9	4	1	3	6	5	5	1	0	1	**D** (1)
F (0)	1	0	0	1	3	2	0	0	0	2	0	1	0	0	0	**F** (0)
Not Taken	1	0	1	8	9	9	3	2	2	13	10	11				**Not Taken**
Mean	2.95	3.53	3.24	2.58	2.60	2.59	3.05	3.23	3.14	2.73	2.99	2.86	2.82	3.10	2.96	*Mean*
S.D.	.87	.70	.84	.94	.98	.96	.85	.79	.82	.96	.88	.93	.69	.62	.67	*S.D.*
Sample size	M 305		W 310	T 615												

[a]Rounded to the nearest whole letter grade.

TABLE 2.73

ACT Score and High School Grade Norms for Students Planning to Major in Mathematical Fields

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	96	99	97	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	91	97	94	99	99	99	96	99	98	99	99	99	**34**
33	99	99	99	85	95	89	99	99	99	91	98	94	99	99	99	**33**
32	99	99	99	79	91	85	98	98	98	83	93	87	97	99	98	**32**
31	99	99	99	73	87	79	95	96	96	74	86	80	94	97	95	**31**
30	98	98	98	65	79	71	92	94	93	67	81	73	91	92	91	**30**
29	97	96	97	55	67	61	88	91	89	61	74	67	84	88	86	**29**
28	97	92	95	45	55	50	82	86	84	54	67	60	75	83	79	**28**
27	94	86	91	36	44	40	74	79	76	47	60	53	68	75	71	**27**
26	91	82	87	26	34	30	65	72	68	41	53	47	60	65	62	**26**
25	86	76	81	19	26	22	55	67	61	35	47	40	49	55	52	**25**
24	80	69	75	14	20	17	49	60	54	29	43	35	38	47	42	**24**
23	71	61	66	10	16	13	43	50	46	24	40	32	30	38	34	**23**
22	61	50	56	8	14	11	35	43	39	21	35	28	25	30	28	**22**
21	53	39	47	8	12	10	28	39	33	19	32	25	22	26	24	**21**
20	45	32	39	6	11	8	23	35	29	15	29	21	18	23	20	**20**
19	37	27	32	5	9	7	22	32	27	12	24	18	14	19	17	**19**
18	31	21	26	5	8	6	20	30	24	10	19	14	11	14	12	**18**
17	25	15	20	4	6	5	17	28	22	7	15	11	7	11	9	**17**
16	19	11	15	3	5	4	15	25	20	5	10	8	5	9	7	**16**
15	13	8	11	2	5	3	14	21	17	3	8	5	4	8	6	**15**
14	9	6	8	1	4	2	12	17	14	2	5	3	3	6	4	**14**
13	7	5	6	1	3	2	11	14	12	1	3	2	2	4	3	**13**
12	5	4	5	1	3	2	9	13	11	1	1	1	1	3	2	**12**
11	4	3	4	1	2	1	7	12	9	1	1	1	1	2	1	**11**
10	–	3	3	1	2	1	5	10	7	1	1	1	1	2	1	**10**
9	2	2	2	1	1	1	5	7	6	1	1	1	1	1	1	**9**
8	2	1	2	1	1	1	3	5	4	1	1	1	1	1	1	**8**
7	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	**7**
6	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	**6**
5	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	**5**
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	20.2	21.6	20.8	28.1	26.5	27.4	22.8	21.2	22.0	26.5	24.3	25.5	24.5	23.5	24.1	*Mean*
S.D.	4.8	4.8	4.9	4.7	5.3	5.1	6.3	6.9	6.6	5.6	5.9	5.8	4.7	5.0	4.9	*S.D.*

Sample size M 233 W 203 T 436

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	34	58	45	61	70	65	47	57	52	38	48	43	49	66	57	**A** (4)
B (3)	47	34	41	28	24	27	36	28	32	35	35	35	42	31	37	**B** (3)
C (2)	16	8	12	8	4	6	12	10	11	14	9	12	8	3	6	**C** (2)
D (1)	2	1	1	2	0	1	1	1	1	2	1	1	0	1	0	**D** (1)
F (0)	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	**F** (0)
Not Taken	1	0	0	0	0	0	4	5	4	10	8	9				**Not Taken**
Mean	3.15	3.48	3.31	3.49	3.65	3.57	3.35	3.45	3.40	3.19	3.41	3.29	3.30	3.49	3.39	*Mean*
S.D.	.74	.68	.73	.73	.59	.68	.73	.78	.75	.84	.70	.79	.57	.51	.56	*S.D.*

Sample size M 230 W 200 T 430

[a]Rounded to the nearest whole letter grade

TABLE 2.74

ACT Score and High School Grade Norms for Students Planning to Major in Physical Science Fields

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	98	99	98	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	96	98	97	99	99	99	96	98	96	99	99	99	**34**
33	99	99	99	93	96	94	99	99	99	90	95	91	99	99	99	**33**
32	99	99	99	89	97	91	97	99	97	80	89	82	98	99	99	**32**
31	99	99	99	85	94	88	93	96	94	69	80	71	96	98	96	**31**
30	99	97	98	80	91	83	89	94	90	59	70	62	93	94	93	**30**
29	98	94	97	73	85	76	85	90	86	50	63	53	87	89	88	**29**
28	97	93	96	65	78	68	79	85	81	43	56	46	78	82	79	**28**
27	96	91	95	57	69	60	71	78	72	37	50	40	68	75	70	**27**
26	94	87	92	48	61	51	62	71	64	32	45	35	58	67	60	**26**
25	90	80	88	41	52	43	53	65	56	27	39	30	50	57	52	**25**
24	84	70	81	35	43	37	46	56	48	23	34	26	44	49	45	**24**
23	76	61	72	31	38	33	38	46	40	19	31	22	36	41	37	**23**
22	66	51	62	28	35	30	32	38	33	16	27	19	31	34	31	**22**
21	56	40	52	24	32	26	27	31	28	14	23	16	25	29	26	**21**
20	47	31	43	22	30	24	24	27	24	12	19	14	21	24	21	**20**
19	39	24	35	19	27	21	21	24	22	10	15	11	17	20	18	**19**
18	30	20	28	17	24	19	19	22	20	8	11	9	13	18	15	**18**
17	23	16	21	14	19	15	17	19	18	6	9	7	11	16	12	**17**
16	19	13	17	11	15	12	16	17	16	4	7	4	9	13	10	**16**
15	15	10	14	9	13	10	14	16	14	2	5	3	6	10	7	**15**
14	12	7	11	7	11	8	11	16	12	1	3	2	4	7	5	**14**
13	9	6	9	6	8	7	9	15	10	1	2	1	3	5	3	**13**
12	7	5	7	5	7	6	7	13	8	1	1	1	2	4	2	**12**
11	5	3	5	4	6	5	6	12	7	1	1	1	1	3	1	**11**
10	3	3	3	4	6	4	4	10	6	1	1	1	1	3	1	**10**
9	1	2	2	3	6	4	3	8	4	1	1	1	1	2	1	**9**
8	1	2	1	2	5	3	2	7	3	1	1	1	1	1	1	**8**
7	1	1	1	2	4	2	1	5	2	1	1	1	1	1	1	**7**
6	1	1	1	1	3	2	1	3	2	1	1	1	1	1	1	**6**
5	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	**5**
4	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	19.8	21.4	20.2	24.8	22.9	24.3	23.2	21.9	22.9	27.5	25.8	27.1	24.0	23.1	23.8	*Mean*
S.D.	4.6	4.9	4.7	6.6	6.8	6.7	6.2	6.7	6.4	5.2	5.7	5.4	4.9	5.4	5.0	*S.D.*

Sample size: M: 472 W: 154 T: 626

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	37	57	42	37	40	38	46	58	49	49	60	52	44	58	48	**A** (4)
B (3)	42	35	41	32	37	33	35	28	34	30	26	29	43	38	42	**B** (3)
C (2)	18	7	16	21	16	20	12	8	11	13	10	12	12	3	10	**C** (2)
D (1)	2	1	2	6	2	5	2	1	1	2	1	2	1	0	1	**D** (1)
F (0)	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	**F** (0)
Not Taken	0	0	0	4	5	4	5	5	5	5	3	5				**Not Taken**
Mean	3.13	3.48	3.22	3.03	3.21	3.07	3.32	3.50	3.36	3.32	3.48	3.36	3.18	3.40	3.24	*Mean*
S.D.	.80	.66	.78	.94	.79	.91	.76	.69	.75	.83	.76	.82	.66	.55	.64	*S.D.*

Sample size: M: 468 W: 153 T: 621

[a]Rounded to the nearest whole letter grade

TABLE 2.75

ACT Score and High School Grade Norms for Students Planning to Major in Community Service Fields

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	**31**
30	99	99	99	99	99	99	98	99	99	95	97	96	99	99	99	**30**
29	99	99	99	98	99	98	98	99	98	93	95	94	99	99	99	**29**
28	99	99	99	96	97	97	96	98	97	89	93	91	99	98	99	**28**
27	99	98	99	94	95	94	94	95	95	85	90	88	98	97	97	**27**
26	99	96	98	90	92	91	90	92	91	82	86	84	95	95	95	**26**
25	98	95	96	86	89	88	84	87	86	78	83	81	91	92	91	**25**
24	96	91	94	82	86	84	79	83	81	72	80	76	87	88	88	**24**
23	94	86	90	78	83	81	73	77	75	68	76	72	83	84	84	**23**
22	91	79	84	75	81	79	67	72	70	63	71	67	78	80	79	**22**
21	85	71	77	73	79	76	61	67	65	58	66	62	72	74	73	**21**
20	78	64	70	71	77	74	56	63	60	53	61	57	66	69	68	**20**
19	72	57	64	68	74	71	52	59	56	48	56	52	61	65	63	**19**
18	65	50	58	65	71	68	50	57	54	43	50	47	55	60	57	**18**
17	57	42	49	60	66	63	47	55	51	37	42	40	49	55	52	**17**
16	50	36	42	53	60	57	43	53	48	30	34	32	43	48	46	**16**
15	45	30	36	46	55	51	40	50	46	23	27	25	38	41	40	**15**
14	40	25	32	40	49	45	36	46	41	18	19	18	32	34	33	**14**
13	35	22	28	36	44	40	33	41	37	12	12	12	26	27	27	**13**
12	29	18	23	32	38	36	29	35	32	8	9	8	20	20	20	**12**
11	23	14	18	28	33	31	25	31	28	6	7	6	14	14	14	**11**
10	18	10	14	24	29	27	21	26	24	5	5	5	11	10	10	**10**
9	14	8	10	19	24	22	17	21	19	3	3	3	7	7	7	**9**
8	9	6	7	16	20	18	13	15	14	2	2	2	4	4	4	**8**
7	6	4	5	12	16	14	10	11	11	2	1	1	3	2	2	**7**
6	4	2	3	9	12	10	7	8	8	1	1	1	1	1	1	**6**
5	3	1	2	7	9	8	5	5	5	1	1	1	1	1	1	**5**
4	1	1	1	5	6	6	4	3	3	1	1	1	1	1	1	**4**
3	1	1	1	4	4	4	3	1	2	1	1	1	1	1	1	**3**
2	1	1	1	3	3	3	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	15.4	17.5	16.5	15.8	14.6	15.2	17.2	16.0	16.5	19.8	18.9	19.3	17.2	16.9	17.0	*Mean*
S.D.	5.3	5.3	5.4	7.3	7.2	7.2	7.4	7.2	7.3	6.1	5.7	5.9	5.5	5.4	5.5	*S.D.*

Sample size M 636 W 770 T 1,406

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	13	34	25	8	14	12	20	32	27	11	18	15	9	24	17	**A** (4)
B (3)	43	44	44	27	30	28	41	39	40	30	33	31	51	53	52	**B** (3)
C (2)	37	19	27	39	31	34	28	21	24	37	27	31	37	22	29	**C** (2)
D (1)	5	2	3	14	12	13	4	3	4	6	5	6	2	1	1	**D** (1)
F (0)	0	0	0	2	0	1	0	0	0	1	0	1	0	0	0	**F** (0)
Not Taken	2	1	1	11	13	12	6	4	5	16	17	16				**Not Taken**
Mean	2.64	3.12	2.91	2.29	2.53	2.42	2.82	3.04	2.94	2.50	2.76	2.64	2.55	2.87	2.72	*Mean*
S.D.	.78	.77	.81	.90	.94	.93	.83	.83	.84	.85	.87	.87	.62	.64	.65	*S.D.*

Sample size M 607 W 753 T 1,360

[a]Rounded to the nearest whole letter grade.

TABLE 2.76

ACT Score and High School Grade Norms for Students Planning to Major in Social Sciences

ACT SCORE PERCENTILE RANKS

Standard Score	English M	English W	English T	Mathematics M	Mathematics W	Mathematics T	Social Studies M	Social Studies W	Social Studies T	Natural Sciences M	Natural Sciences W	Natural Sciences T	Composite M	Composite W	Composite T	Standard Score
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	99	99	99	99	97	99	98	99	99	99	**33**
32	99	99	99	97	99	98	98	99	99	94	99	96	99	99	99	**32**
31	99	99	99	96	99	98	95	99	97	90	96	93	99	99	99	**31**
30	99	99	99	94	98	96	92	97	95	84	93	89	98	99	98	**30**
29	99	98	99	91	97	94	88	95	91	77	90	84	95	98	96	**29**
28	98	97	98	87	94	91	82	91	87	71	87	79	91	96	93	**28**
27	98	95	96	81	91	86	76	87	81	66	83	75	86	92	89	**27**
26	96	92	94	76	87	81	68	81	75	60	78	69	79	88	84	**26**
25	92	86	90	71	82	77	60	74	67	55	74	64	73	84	79	**25**
24	88	83	85	66	78	72	52	68	60	50	69	60	67	78	73	**24**
23	82	77	79	62	74	68	45	62	53	46	64	55	61	73	67	**23**
22	76	68	72	58	71	65	39	56	48	41	58	50	54	66	60	**22**
21	68	58	63	55	68	61	34	51	43	37	53	45	47	60	53	**21**
20	60	49	54	51	64	58	29	46	38	32	46	39	40	53	47	**20**
19	51	41	46	47	59	53	27	43	35	27	40	34	34	47	41	**19**
18	43	34	38	42	54	48	25	41	33	23	35	29	28	41	34	**18**
17	35	27	31	36	48	42	23	38	30	18	30	24	23	35	29	**17**
16	28	22	25	30	42	36	20	35	28	14	23	18	19	29	24	**16**
15	23	18	20	26	37	31	19	32	26	10	17	14	15	23	19	**15**
14	19	15	17	21	31	26	17	29	23	8	13	10	12	19	15	**14**
13	16	12	14	18	28	23	15	25	20	5	8	6	9	14	12	**13**
12	13	10	11	15	25	20	12	21	17	3	5	4	7	10	9	**12**
11	10	7	9	13	21	17	11	18	14	2	4	3	5	7	6	**11**
10	7	5	6	11	18	15	9	15	12	2	3	2	4	5	4	**10**
9	5	3	4	8	15	12	7	12	9	1	2	2	2	3	3	**9**
8	3	2	3	7	12	9	5	9	7	1	1	1	1	2	2	**8**
7	2	1	2	5	10	7	4	6	5	1	1	1	1	1	1	**7**
6	1	1	1	4	7	5	2	5	4	1	1	1	1	1	1	**6**
5	1	1	1	3	5	4	2	3	2	1	1	1	1	1	1	**5**
4	1	1	1	2	4	3	1	2	1	1	1	1	1	1	1	**4**
3	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.4	19.5	18.9	19.8	17.3	18.5	22.0	19.1	20.5	23.4	20.8	22.0	21.0	19.3	20.1	*Mean*
S.D.	5.0	5.0	5.1	7.3	7.2	7.4	7.0	7.3	7.3	6.2	5.9	6.2	5.5	5.4	5.5	*S.D.*

Sample size M 1,557 W 1,638 T 3,195

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English M	English W	English T	Mathematics M	Mathematics W	Mathematics T	Social Studies M	Social Studies W	Social Studies T	Natural Sciences M	Natural Sciences W	Natural Sciences T	Average[1] M	Average[1] W	Average[1] T	High School Grade
A (4)	30	46	38	15	19	17	45	47	46	19	26	23	24	35	29	**A** (4)
B (3)	44	39	42	30	31	31	36	36	36	37	36	36	54	51	52	**B** (3)
C (2)	22	13	17	33	29	31	13	12	13	28	20	24	21	14	17	**C** (2)
D (1)	3	1	2	12	10	11	2	2	2	5	4	5	1	1	1	**D** (1)
F (0)	0	0	0	2	1	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	1	1	1	7	10	9	3	3	3	11	13	12				**Not Taken**
Mean	3.02	3.31	3.17	2.47	2.63	2.55	3.29	3.31	3.30	2.77	2.97	2.87	2.89	3.05	2.97	*Mean*
S.D.	.82	.74	.80	.98	.96	.97	.77	.77	.77	.88	.86	.87	.64	.63	.64	*S.D.*

Sample size M 1,518 W 1,606 T 3,124

[1]Rounded to the nearest whole letter grade

TABLE 2.77

ACT Score and High School Grade Norms for Students Planning to Major in Trade, Industrial, and Technical Fields

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	97	96	97	99	99	99	**31**
30	99	98	99	98	99	98	99	99	99	93	93	93	99	99	99	**30**
29	99	98	99	97	98	97	99	98	99	89	91	89	99	99	99	**29**
28	99	98	99	94	97	94	98	98	98	86	90	86	98	99	98	**28**
27	99	98	99	91	95	91	96	96	96	82	90	83	97	98	97	**27**
26	99	98	99	87	93	87	93	94	93	78	89	79	95	95	95	**26**
25	99	98	99	83	91	84	90	94	90	73	84	74	92	94	92	**25**
24	98	97	98	80	90	81	85	94	86	69	79	70	88	93	88	**24**
23	96	93	96	77	87	78	81	92	81	65	76	66	84	91	85	**23**
22	93	83	93	75	82	75	76	85	76	60	70	61	80	88	80	**22**
21	90	70	89	72	79	72	71	74	71	54	66	55	75	79	75	**21**
20	86	64	85	69	73	69	66	65	66	49	61	49	70	67	70	**20**
19	80	58	79	66	68	66	63	59	62	44	54	44	64	58	64	**19**
18	73	48	72	61	66	62	60	56	60	39	46	39	58	51	57	**18**
17	65	40	64	56	62	56	57	52	57	33	36	33	52	47	52	**17**
16	57	33	56	49	56	49	54	49	54	27	28	27	46	43	46	**16**
15	49	28	48	42	52	43	51	46	51	21	21	21	39	35	39	**15**
14	43	26	42	36	46	37	47	42	46	15	16	15	32	27	32	**14**
13	37	23	36	32	39	32	42	39	42	10	12	10	26	24	26	**13**
12	31	21	31	28	35	29	37	37	37	7	9	7	20	20	20	**12**
11	24	15	24	24	32	24	32	35	32	5	6	5	14	15	14	**11**
10	18	9	17	20	27	20	26	28	26	4	4	4	9	11	10	**10**
9	13	6	13	16	19	16	20	21	20	3	4	3	6	7	6	**9**
8	9	3	9	13	15	13	15	17	16	2	4	2	3	5	4	**8**
7	6	1	5	10	13	10	11	10	11	1	4	1	2	3	2	**7**
6	3	1	3	8	11	8	8	6	7	1	4	1	1	2	1	**6**
5	2	1	2	6	10	6	5	5	5	1	3	1	1	2	1	**5**
4	1	1	1	4	7	4	3	4	3	1	2	1	1	1	1	**4**
3	1	1	1	3	3	3	1	4	1	1	1	1	1	1	1	**3**
2	1	1	1	2	1	2	1	3	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	14.8	17.4	14.9	16.6	15.0	16.5	15.6	15.5	15.6	20.5	19.1	20.4	17.0	16.9	17.0	*Mean*
S.D.	4.9	5.0	4.9	7.3	6.9	7.3	7.0	6.8	7.0	6.1	6.1	6.1	5.4	5.2	5.4	*S.D.*

Sample size M 886 W 49 T 935

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	10	22	10	9	13	9	17	26	17	12	17	12	9	16	10	**A** (4)
B (3)	39	57	40	28	22	27	36	37	36	26	26	26	44	51	44	**B** (3)
C (2)	39	20	38	36	37	36	34	33	33	35	41	35	43	33	42	**C** (2)
D (1)	10	0	9	14	5	14	8	0	7	7	2	6	4	0	4	**D** (1)
F (0)	1	2	1	2	2	2	0	0	0	1	0	1	0	0	0	**F** (0)
Not Taken	2	0	2	11	11	11	6	4	6	20	13	20				**Not Taken**
Mean	2.47	2.96	2.50	2.31	2.32	2.31	2.65	2.93	2.67	2.53	2.67	2.54	2.49	2.74	2.50	*Mean*
S.D.	.83	.78	.84	.94	1.00	.94	.88	.78	.87	.87	.82	.87	.65	.64	.65	*S.D.*

Sample size M 847 W 46 T 893

[a]Rounded to the nearest whole letter grade.

TABLE 2.78

ACT Score and High School Grade Norms for Students Planning to Major in General Studies

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	93	98	96	99	99	99	**32**
31	99	99	99	98	99	99	98	99	99	86	96	92	99	99	99	**31**
30	99	99	99	96	99	98	95	99	97	80	94	88	99	99	99	**30**
29	99	98	99	93	98	96	91	97	94	76	90	84	96	98	97	**29**
28	99	97	98	89	96	93	89	94	92	71	86	80	92	96	94	**28**
27	99	96	97	84	92	89	87	92	90	68	82	77	89	94	92	**27**
26	98	94	95	80	88	85	83	88	86	63	78	72	85	90	88	**26**
25	95	91	93	75	82	79	78	84	81	58	72	67	80	87	84	**25**
24	92	86	88	69	78	74	71	80	77	52	68	62	75	82	79	**24**
23	88	81	84	65	75	71	64	74	70	45	63	56	70	76	74	**23**
22	84	73	77	62	71	67	58	66	63	40	58	51	65	70	68	**22**
21	77	63	69	59	67	63	51	60	57	35	53	46	59	64	62	**21**
20	70	55	61	56	62	59	46	54	51	30	48	41	51	57	54	**20**
19	61	44	51	52	58	55	42	51	47	25	42	36	42	49	46	**19**
18	51	34	41	49	53	51	38	48	44	22	37	31	33	43	39	**18**
17	40	27	32	43	47	45	35	45	41	19	31	27	27	37	33	**17**
16	32	21	25	36	41	39	33	42	38	16	23	21	22	31	27	**16**
15	26	16	20	30	36	34	29	39	35	12	16	14	17	25	22	**15**
14	22	12	16	25	32	29	26	35	31	8	10	9	14	19	17	**14**
13	19	10	14	21	29	26	22	31	27	5	6	5	12	14	13	**13**
12	15	7	10	18	25	22	17	26	23	4	4	4	9	11	10	**12**
11	11	5	7	15	22	19	15	22	19	2	2	2	7	7	7	**11**
10	8	3	5	12	18	16	12	17	15	1	2	1	5	5	5	**10**
9	6	2	4	10	15	13	10	12	11	1	1	1	3	3	3	**9**
8	4	2	3	9	12	11	7	9	8	1	1	1	2	2	2	**8**
7	2	2	2	7	10	9	5	7	6	1	1	1	2	1	1	**7**
6	2	1	1	5	9	8	4	4	4	1	1	1	1	1	1	**6**
5	1	1	1	5	8	7	3	3	3	1	1	1	1	1	1	**5**
4	1	1	1	4	7	5	2	2	2	1	1	1	1	1	1	**4**
3	1	1	1	3	5	4	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	2	3	3	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	17.5	19.3	18.6	18.8	17.1	17.8	19.4	17.7	18.4	23.4	20.9	21.9	19.9	18.9	19.3	*Mean*
S.D.	4.8	4.6	4.8	7.4	7.4	7.4	7.1	7.0	7.1	6.3	5.8	6.1	5.5	5.3	5.4	*S.D.*

Sample size: M 226; W 350; T 576

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	15	43	32	14	24	20	28	41	36	20	26	23	16	36	28	**A** (4)
B (3)	45	44	45	31	32	31	37	37	37	29	36	34	52	50	51	**B** (3)
C (2)	34	12	20	34	29	31	26	14	19	33	18	24	29	14	20	**C** (2)
D (1)	4	1	2	13	5	8	6	2	4	5	3	4	2	0	1	**D** (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	1	0	1	7	10	9	3	6	5	13	18	16				**Not Taken**
Mean	2.71	3.30	3.07	2.46	2.81	2.67	2.89	3.22	3.09	2.73	3.03	2.91	2.71	3.09	2.94	*Mean*
S.D.	.79	.70	.79	.95	.91	.94	.89	.81	.86	.89	.82	.86	.66	.60	.66	*S.D.*

Sample size: M 220; W 344; T 564

[a]Rounded to the nearest whole letter grade

TABLE 2.79

ACT Score and High School Grade Norms for Students Undecided about Their Major

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	98	99	99	99	99	99	96	99	97	99	99	99	**32**
31	99	99	99	96	99	98	98	99	99	92	97	95	99	99	99	**31**
30	99	99	99	95	98	96	97	99	98	87	95	91	98	99	99	**30**
29	99	99	99	92	97	95	95	98	96	83	92	87	97	98	98	**29**
28	99	98	99	88	95	91	92	96	94	78	89	84	94	97	96	**28**
27	99	97	98	83	91	88	88	94	91	74	86	80	91	95	93	**27**
26	98	95	96	79	88	83	84	90	87	69	82	76	87	92	90	**26**
25	96	92	94	73	84	78	78	86	82	64	78	71	82	88	85	**25**
24	93	88	91	68	79	74	73	81	77	60	75	67	76	84	80	**24**
23	90	83	87	64	76	70	66	76	71	55	71	63	71	80	76	**23**
22	85	77	81	61	74	67	61	71	66	50	66	58	66	75	70	**22**
21	79	68	73	58	71	65	57	66	62	46	61	53	60	69	65	**21**
20	72	59	65	55	68	61	53	61	57	41	56	48	54	64	59	**20**
19	64	52	58	51	64	58	49	58	54	36	50	43	49	58	53	**19**
18	55	44	50	47	60	54	47	55	51	31	46	38	43	52	48	**18**
17	47	36	41	43	55	49	45	52	49	26	40	33	38	46	42	**17**
16	39	31	35	38	49	44	42	49	46	21	32	27	33	40	36	**16**
15	33	25	29	32	44	38	39	47	43	17	24	21	28	33	31	**15**
14	29	21	25	27	38	33	36	43	39	13	18	16	24	27	26	**14**
13	25	18	21	24	34	29	32	38	35	9	13	11	19	22	21	**13**
12	21	14	18	21	30	26	29	33	31	7	8	7	15	18	16	**12**
11	18	11	14	18	26	22	25	29	27	5	5	5	11	14	12	**11**
10	13	8	11	15	22	19	21	24	23	3	4	4	8	10	9	**10**
9	9	6	8	12	19	16	17	19	18	2	3	3	5	6	6	**9**
8	6	4	5	10	16	13	13	15	14	2	2	2	3	3	3	**8**
7	4	2	3	8	13	11	9	11	10	1	1	1	2	1	2	**7**
6	2	1	2	6	10	8	7	8	8	1	1	1	1	1	1	**6**
5	1	1	1	5	7	6	5	6	5	1	1	1	1	1	1	**5**
4	1	1	1	3	5	4	3	4	3	1	1	1	1	1	1	**4**
3	1	1	1	2	3	3	2	2	2	1	1	1	1	1	1	**3**
2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.7	18.2	17.5	18.8	16.4	17.6	17.9	16.4	17.1	21.9	19.6	20.7	18.9	17.8	18.3	*Mean*
S.D.	5.2	5.2	5.3	7.8	7.5	7.8	7.8	7.4	7.6	6.6	6.0	6.4	6.0	5.6	5.9	*S.D.*

Sample size M: 1,483 W: 1,536 T: 3,019

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	20	40	30	17	21	19	30	37	33	19	23	21	21	33	27	**A** (4)
B (3)	44	41	42	29	31	30	37	38	37	34	35	34	48	50	49	**B** (3)
C (2)	30	17	23	34	28	31	24	19	21	29	21	25	30	17	23	**C** (2)
D (1)	4	2	3	11	7	9	4	2	3	5	3	4	2	1	1	**D** (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	2	1	1	8	12	10	5	5	5	14	17	15				**Not Taken**
Mean	2.81	3.19	3.00	2.53	2.74	2.64	2.97	3.15	3.06	2.76	2.94	2.85	2.76	3.01	2.89	*Mean*
S.D.	.81	.78	.82	.97	.93	.96	.87	.80	.84	.87	.84	.86	.68	.65	.67	*S.D.*

Sample size M: 1,427 W: 1,495 T: 2,922

[a]Rounded to the nearest whole letter grade.

TABLE 2.80

ACT Score and High School Grade Norms for Black Students

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**31**
30	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**30**
29	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**29**
28	99	99	99	99	99	99	99	99	99	97	99	99	99	99	99	**28**
27	99	99	99	99	99	99	98	99	99	96	99	98	99	99	99	**27**
26	99	99	99	98	99	99	97	99	98	95	99	97	99	99	99	**26**
25	99	99	99	97	99	98	96	98	97	93	98	96	99	99	99	**25**
24	99	99	99	95	98	97	93	97	96	92	96	96	98	99	98	**24**
23	99	98	99	94	98	96	91	96	94	90	97	94	96	99	98	**23**
22	98	97	97	93	97	95	88	94	92	88	95	92	94	98	97	**22**
21	96	94	95	92	96	95	85	93	90	85	94	91	92	97	95	**21**
20	94	91	92	90	95	93	82	91	88	83	92	88	90	96	94	**20**
19	90	88	89	89	94	92	80	89	86	79	90	86	88	94	92	**19**
18	86	83	84	86	92	90	79	88	84	75	87	82	85	91	89	**18**
17	81	76	78	83	89	87	76	86	82	70	82	77	81	88	85	**17**
16	75	70	72	77	86	82	74	84	80	62	74	69	77	84	81	**16**
15	70	64	66	71	82	78	72	82	78	51	63	59	71	80	76	**15**
14	65	58	61	65	76	72	70	78	75	41	52	48	64	73	70	**14**
13	59	52	55	59	71	66	66	74	71	31	39	36	57	66	63	**13**
12	52	46	48	53	66	61	62	70	67	23	28	26	49	58	55	**12**
11	45	39	41	48	60	55	57	65	62	18	21	20	41	48	45	**11**
10	39	31	34	41	53	48	51	60	56	13	16	15	32	37	35	**10**
9	31	25	27	36	45	42	45	52	50	10	13	12	23	27	25	**9**
8	23	19	20	31	40	36	38	44	41	7	9	9	15	17	16	**8**
7	16	13	14	26	34	31	30	34	33	4	6	6	9	9	9	**7**
6	11	8	9	21	27	24	23	27	25	3	4	4	5	5	5	**6**
5	6	4	5	17	21	19	16	19	18	2	2	2	2	2	2	**5**
4	4	2	3	12	15	14	10	12	11	2	1	2	1	1	1	**4**
3	2	1	2	8	11	10	6	7	7	1	1	1	1	1	1	**3**
2	1	1	1	5	8	7	3	4	4	1	1	1	1	1	1	**2**
1	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	**1**
Mean	12.1	12.9	12.6	11.7	10.0	10.6	11.6	10.1	10.7	15.4	13.9	14.5	12.8	11.8	12.2	*Mean*
S.D.	5.0	5.0	5.0	6.3	5.6	5.9	7.0	5.9	6.4	5.4	4.4	4.9	4.9	4.1	4.5	*S.D.*

Sample size M: 1,037 W: 1,686 T: 2,723

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	12	22	18	7	11	10	18	23	22	10	13	12	8	14	12	**A** (4)
B (3)	35	44	40	25	26	26	36	37	36	28	30	29	45	52	49	**B** (3)
C (2)	43	30	35	42	34	37	33	27	29	35	30	32	44	32	37	**C** (2)
D (1)	8	3	5	14	15	15	6	4	5	8	6	6	3	1	2	**D** (1)
F (0)	0	0	0	2	1	1	0	0	0	1	0	1	0	0	0	**F** (0)
Not Taken	2	1	1	10	13	12	7	8	8	19	20	20				**Not Taken**
Mean	2.50	2.86	2.72	2.23	2.36	2.31	2.71	2.86	2.80	2.47	2.62	2.57	2.46	2.67	2.59	*Mean*
S.D.	.82	.81	.83	.88	.95	.93	.86	.85	.86	.86	.86	.86	.60	.63	.63	*S.D.*

Sample size M: 988 W: 1,633 T: 2,621

[a]Rounded to the nearest whole letter grade.

TABLE 2.81

ACT Score and High School Grade Norms for American Indian Students

ACT SCORE PERCENTILE RANKS

Standard Score	English M	English W	English T	Mathematics M	Mathematics W	Mathematics T	Social Studies M	Social Studies W	Social Studies T	Natural Sciences M	Natural Sciences W	Natural Sciences T	Composite M	Composite W	Composite T	Standard Score
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**31**
30	99	99	99	98	99	99	99	99	99	95	98	97	99	99	99	**30**
29	99	99	99	97	99	98	98	99	99	92	98	95	99	99	99	**29**
28	99	99	99	96	97	96	97	98	98	89	97	94	98	99	99	**28**
27	99	99	99	94	95	94	95	97	96	86	96	92	97	99	98	**27**
26	99	99	99	91	94	92	93	96	95	82	94	88	95	98	97	**26**
25	99	98	98	88	92	90	89	95	92	78	91	85	94	96	95	**25**
24	97	95	96	84	91	88	85	91	88	74	87	81	91	94	93	**24**
23	95	91	93	81	88	84	80	86	83	71	84	78	87	92	89	**23**
22	91	87	89	78	84	81	74	82	78	67	79	74	83	88	86	**22**
21	87	82	84	76	81	79	69	78	74	62	74	69	79	83	81	**21**
20	83	76	79	73	79	77	63	75	70	57	69	64	71	77	74	**20**
19	79	69	73	71	76	73	60	72	67	51	64	58	65	72	69	**19**
18	72	60	65	67	72	69	59	69	64	43	59	52	60	67	64	**18**
17	64	51	57	61	68	64	57	66	62	34	53	44	54	62	58	**17**
16	57	43	49	54	61	58	54	64	60	27	43	36	48	56	52	**16**
15	48	35	41	47	54	51	51	62	57	20	32	27	41	49	45	**15**
14	40	31	35	42	48	45	48	58	53	13	22	18	35	43	39	**14**
13	35	27	31	36	43	40	44	53	49	8	15	12	28	35	32	**13**
12	30	22	26	31	39	35	38	46	42	6	10	8	21	26	24	**12**
11	26	18	22	26	35	31	32	40	36	4	8	6	15	19	17	**11**
10	21	14	17	20	30	26	26	35	31	3	6	5	9	13	11	**10**
9	16	10	13	16	25	21	20	28	25	2	5	4	5	8	6	**9**
8	11	8	9	12	20	16	14	22	18	1	4	3	3	4	4	**8**
7	7	5	6	9	15	12	10	17	14	1	2	1	1	3	2	**7**
6	4	2	3	6	11	9	7	13	11	1	2	1	1	1	1	**6**
5	2	1	2	4	9	6	4	8	6	1	1	1	1	1	1	**5**
4	1	1	1	3	6	4	2	4	3	1	1	1	1	1	1	**4**
3	1	1	1	2	3	3	1	3	2	1	1	1	1	1	1	**3**
2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	14.9	16.3	15.6	15.9	14.3	15.1	15.8	13.9	14.8	19.8	17.6	18.6	16.7	15.6	16.1	*Mean*
S.D.	5.1	5.1	5.2	6.9	6.8	6.9	7.1	6.9	7.1	5.7	5.2	5.5	5.2	5.0	5.1	*S.D.*

Sample size M 313 W 365 T 678

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English M	English W	English T	Mathematics M	Mathematics W	Mathematics T	Social Studies M	Social Studies W	Social Studies T	Natural Sciences M	Natural Sciences W	Natural Sciences T	Average[a] M	Average[a] W	Average[a] T	High School Grade
A (4)	14	30	23	8	14	11	18	28	24	15	20	17	10	23	17	**A** (4)
B (3)	38	44	41	27	35	31	39	36	38	30	25	28	50	50	50	**B** (3)
C (2)	40	23	31	42	32	37	34	27	30	32	33	32	38	25	31	**C** (2)
D (1)	6	2	4	13	8	10	3	3	3	7	4	5	2	2	2	**D** (1)
F (0)	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	0	1	1	9	9	9	6	6	6	16	18	17				**Not Taken**
Mean	2.60	3.01	2.82	2.30	2.59	2.46	2.76	2.96	2.87	2.62	2.73	2.68	2.57	2.82	2.70	*Mean*
S.D.	.83	.82	.85	.87	.90	.90	.79	.83	.82	.86	.88	.88	.63	.67	.66	*S.D.*

Sample size M 299 W 349 T 648

[a]Rounded to the nearest whole letter grade.

TABLE 2.82

ACT Score and High School Grade Norms for Caucasian-American (White) Students

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	99	99	99	99	97	99	98	99	99	99	**33**
32	99	99	99	97	99	98	99	99	99	94	98	96	99	99	99	**32**
31	99	99	99	95	98	97	97	99	98	89	96	93	99	99	99	**31**
30	99	99	99	93	97	95	96	98	97	83	93	88	98	99	98	**30**
29	99	98	99	89	95	92	93	97	95	77	89	83	96	98	97	**29**
28	99	97	98	84	93	88	90	94	92	71	85	78	92	96	94	**28**
27	98	96	97	78	89	83	85	91	88	65	81	74	88	93	90	**27**
26	97	93	95	71	84	78	78	86	83	60	77	69	82	89	86	**26**
25	95	90	92	65	79	72	71	81	76	55	72	64	75	84	80	**25**
24	91	85	88	59	74	67	64	75	70	50	67	59	69	79	74	**24**
23	86	78	82	55	71	63	57	68	63	45	62	54	62	73	68	**23**
22	80	69	74	51	67	60	50	62	57	39	56	48	55	67	61	**22**
21	72	59	65	48	64	56	45	57	51	35	51	43	49	60	55	**21**
20	64	50	56	45	60	53	40	52	46	30	45	38	42	53	48	**20**
19	56	42	48	41	56	49	37	48	43	25	39	33	37	47	42	**19**
18	47	33	40	36	51	44	34	45	40	21	34	28	31	41	36	**18**
17	38	26	32	31	45	39	32	42	37	17	28	23	26	34	30	**17**
16	31	20	26	26	39	33	30	39	35	13	21	17	21	28	25	**16**
15	26	16	21	21	33	28	27	36	32	9	15	12	17	23	20	**15**
14	21	13	17	18	28	23	24	32	28	6	10	8	13	17	15	**14**
13	17	10	14	15	24	20	20	28	24	4	6	5	9	13	11	**13**
12	14	8	10	13	21	17	17	24	21	2	3	3	6	9	8	**12**
11	10	5	8	11	18	15	14	20	17	1	2	2	4	6	5	**11**
10	7	4	5	9	16	12	11	16	14	1	1	1	3	3	3	**10**
9	5	2	3	7	12	10	8	12	10	1	1	1	1	2	2	**9**
8	3	1	2	6	10	8	6	9	7	1	1	1	1	1	1	**8**
7	2	1	1	5	8	6	4	6	5	1	1	1	1	1	1	**7**
6	1	1	1	3	6	5	2	4	3	1	1	1	1	1	1	**6**
5	1	1	1	2	4	3	2	2	2	1	1	1	1	1	1	**5**
4	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	17.9	19.5	18.8	20.8	18.0	19.3	20.2	18.3	19.2	23.6	21.2	22.3	20.7	19.4	20.0	*Mean*
S.D.	4.8	4.7	4.8	7.3	7.2	7.4	7.0	7.0	7.1	6.0	5.7	6.0	5.4	5.2	5.3	*S.D.*

Sample size: M: 14,307; W: 15,729; T: 30,036

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	25	45	35	20	23	22	34	43	39	23	28	25	25	36	31	**A** (4)
B (3)	45	42	43	31	34	33	38	37	37	35	37	36	50	50	50	**B** (3)
C (2)	26	12	18	31	27	29	20	15	17	26	20	23	23	13	18	**C** (2)
D (1)	3	1	2	10	7	8	3	2	2	5	3	4	1	0	1	**D** (1)
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	1	1	1	6	9	8	4	4	4	11	12	12				**Not Taken**
Mean	2.92	3.31	3.12	2.64	2.80	2.72	3.08	3.25	3.17	2.64	3.02	2.93	2.86	3.09	2.98	*Mean*
S.D.	.82	.72	.79	.97	.92	.95	.83	.79	.81	.88	.83	.86	.67	.62	.65	*S.D.*

Sample size: M: 13,963; W: 15,379; T: 29,342

[a]Rounded to the nearest whole letter grade

TABLE 2.83

ACT Score and High School Grade Norms for Mexican-American (Chicano) Students

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**31**
30	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	**30**
29	99	99	99	99	99	99	99	99	99	96	98	97	99	99	99	**29**
28	99	99	99	98	99	98	98	99	98	94	98	96	99	99	99	**28**
27	99	99	99	97	99	98	95	99	97	92	97	95	99	99	99	**27**
26	99	99	99	95	98	97	93	98	96	90	96	93	97	99	98	**26**
25	99	98	99	91	97	95	90	97	94	88	94	91	96	98	97	**25**
24	99	97	98	88	96	92	87	96	91	85	94	90	94	97	96	**24**
23	99	96	97	87	95	91	83	94	89	82	92	87	92	96	94	**23**
22	97	95	96	85	95	90	81	92	86	78	90	84	89	94	92	**22**
21	94	93	93	83	93	88	78	89	84	75	88	82	85	93	89	**21**
20	91	89	90	80	91	86	75	86	81	71	86	79	82	92	87	**20**
19	86	85	86	76	89	83	72	83	78	66	83	75	77	89	83	**19**
18	79	79	79	71	87	80	68	82	75	60	78	70	71	86	79	**18**
17	72	72	72	66	84	75	66	81	74	54	73	64	66	82	74	**17**
16	64	66	65	61	78	70	64	79	72	45	65	56	60	77	69	**16**
15	58	59	59	54	73	64	62	76	69	35	55	45	54	70	62	**15**
14	54	53	53	47	67	58	60	72	66	26	43	35	49	63	56	**14**
13	50	47	48	42	62	52	56	68	62	18	31	25	42	57	50	**13**
12	44	40	42	37	57	47	51	63	57	12	22	17	35	49	43	**12**
11	37	33	35	32	50	41	45	60	53	9	16	13	27	40	34	**11**
10	30	27	28	28	43	36	38	54	46	7	11	9	20	30	25	**10**
9	22	22	22	24	36	30	32	45	38	5	8	7	13	20	17	**9**
8	15	15	15	21	31	26	25	36	31	3	6	5	8	11	10	**8**
7	10	10	10	17	25	21	21	29	25	2	4	3	4	6	5	**7**
6	6	6	6	13	20	17	16	22	19	1	2	2	2	3	3	**6**
5	3	4	3	9	17	13	11	15	13	1	1	1	1	2	1	**5**
4	1	2	1	7	13	10	6	8	7	1	1	1	1	1	1	**4**
3	1	1	1	5	9	7	3	5	4	1	1	1	1	1	1	**3**
2	1	1	1	3	6	5	2	3	2	1	1	1	1	1	1	**2**
1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**1**
Mean	13.4	13.6	13.5	14.3	11.4	12.8	13.7	11.2	12.4	17.6	15.2	16.3	14.9	13.0	13.9	*Mean*
S.D.	5.0	5.2	5.1	6.9	6.1	6.7	7.5	6.4	7.0	5.7	4.9	5.4	5.3	4.7	5.1	*S.D.*

Sample size M 446 W 490 T 936

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	14	27	21	14	14	14	25	24	24	13	13	13	15	16	16	**A** (4)
B (3)	40	42	41	25	29	27	36	36	36	29	33	31	47	56	51	**B** (3)
C (2)	36	24	30	38	32	35	29	29	29	30	32	31	36	27	32	**C** (2)
D (1)	6	4	5	10	13	12	2	3	3	7	5	6	2	1	1	**D** (1)
F (0)	0	0	0	2	0	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	4	3	3	11	12	11	7	7	7	21	17	19				**Not Taken**
Mean	2.65	2.96	2.81	2.44	2.48	2.46	2.89	2.86	2.88	2.58	2.64	2.61	2.63	2.74	2.69	*Mean*
S.D.	.82	.82	.83	.95	.95	.95	.84	.84	.84	.89	.83	.86	.65	.61	.63	*S.D.*

Sample size M 422 W 465 T 887

[a]Rounded to the nearest whole letter grade.

TABLE 2.84

ACT Score and High School Grade Norms for Oriental-American Students

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	97	99	98	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	95	99	97	99	99	99	96	99	98	99	99	99	**32**
31	99	99	99	94	97	96	98	99	99	93	97	95	99	99	99	**31**
30	99	99	99	93	95	94	96	99	97	89	93	91	98	99	98	**30**
29	99	99	99	92	93	93	94	98	96	86	90	88	95	98	97	**29**
28	99	99	99	89	91	90	93	97	95	83	87	85	94	97	96	**28**
27	99	98	99	84	86	86	90	96	94	79	85	82	94	95	94	**27**
26	99	97	98	80	81	80	87	95	91	76	82	80	92	93	92	**26**
25	97	96	96	73	76	75	84	92	88	72	74	76	88	89	89	**25**
24	96	93	94	68	71	70	80	87	84	67	76	72	82	85	84	**24**
23	95	89	92	64	68	66	75	81	79	63	73	68	76	80	78	**23**
22	91	82	86	60	65	63	70	77	74	60	68	64	70	76	73	**22**
21	82	76	79	54	62	59	64	72	69	58	64	61	65	73	70	**21**
20	74	70	72	49	58	54	60	69	65	52	59	56	59	70	65	**20**
19	70	64	67	45	55	51	57	65	62	47	54	51	53	64	59	**19**
18	67	53	59	41	54	48	53	62	58	44	48	46	47	57	53	**18**
17	61	42	50	37	51	45	49	60	55	39	41	40	44	49	47	**17**
16	55	36	44	32	46	40	46	58	53	32	33	33	43	43	43	**16**
15	49	33	40	28	42	36	43	55	50	27	26	26	40	38	39	**15**
14	45	31	37	24	37	31	40	52	46	20	21	20	34	31	32	**14**
13	40	28	33	21	32	27	35	48	42	12	13	13	27	24	25	**13**
12	37	24	29	21	26	24	32	43	38	7	7	7	20	19	19	**12**
11	31	18	24	19	22	20	30	38	34	5	5	5	16	14	15	**11**
10	24	13	18	16	19	18	28	31	30	4	3	4	11	10	11	**10**
9	19	10	14	13	15	14	24	25	24	3	3	3	7	6	6	**9**
8	15	6	10	9	12	10	18	19	19	2	1	2	4	4	4	**8**
7	10	3	6	5	10	8	14	13	14	1	1	1	1	2	2	**7**
6	7	2	4	3	7	6	13	9	11	1	1	1	1	1	1	**6**
5	3	1	2	2	5	4	10	7	8	1	1	1	1	1	1	**5**
4	1	1	1	1	3	2	8	4	6	1	1	1	1	1	1	**4**
3	1	1	1	1	3	2	5	3	4	1	1	1	1	1	1	**3**
2	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	14.8	16.9	16.0	19.4	17.7	18.4	16.5	14.9	15.6	20.4	19.4	19.8	17.9	17.4	17.6	*Mean*
S.D.	5.8	5.4	5.7	7.6	7.9	7.8	8.1	7.2	7.7	6.8	6.0	6.4	6.2	5.7	5.9	*S.D.*
Sample size	M 105		W 137	T 242												

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	17	34	26	18	21	20	24	38	32	20	23	22	21	34	29	**A** (4)
B (3)	40	45	43	30	33	32	35	37	37	30	33	32	44	41	42	**B** (3)
C (2)	33	18	24	26	25	25	25	15	19	27	25	26	33	24	28	**C** (2)
D (1)	8	2	4	13	12	12	7	5	6	5	5	5	1	2	1	**D** (1)
F (0)	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	3	2	2	12	8	10	7	5	6	18	14	16				**Not Taken**
Mean	2.67	3.13	2.93	2.61	2.63	2.62	2.80	3.14	3.00	2.79	2.87	2.84	2.73	2.94	2.85	*Mean*
S.D.	.88	.76	.83	.98	1.04	1.01	.95	.87	.92	.88	.87	.88	.71	.70	.71	*S.D.*
Sample size	M 101		W 133	T 234												

[a]Rounded to the nearest whole letter grade.

TABLE 2.85

ACT Score and High School Grade Norms for Puerto Rican Students

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	97	99	99	99	99	99	**31**
30	99	99	99	99	99	99	99	99	99	95	99	98	99	99	99	**30**
29	99	99	99	96	99	98	99	99	99	92	99	96	99	99	99	**29**
28	99	99	99	94	99	97	98	99	99	89	98	95	99	99	99	**28**
27	99	99	99	93	97	96	95	97	97	88	97	93	98	99	98	**27**
26	99	99	99	91	96	94	91	96	94	86	95	91	96	98	97	**26**
25	99	98	99	89	96	93	89	94	92	85	92	89	95	97	96	**25**
24	99	97	98	86	96	92	86	92	90	82	90	87	92	96	94	**24**
23	98	95	97	84	95	90	84	90	87	77	88	84	90	93	91	**23**
22	97	92	94	83	93	89	79	88	84	72	85	80	86	90	89	**22**
21	96	89	92	82	91	88	74	85	81	69	83	77	81	89	86	**21**
20	91	85	88	80	89	86	71	83	78	67	81	75	77	87	83	**20**
19	83	79	81	78	87	84	66	81	75	65	78	73	75	85	81	**19**
18	77	72	74	75	85	81	64	80	74	60	72	67	70	82	78	**18**
17	73	68	70	70	81	76	63	78	72	54	64	60	63	77	72	**17**
16	70	64	66	63	74	69	60	75	69	49	57	53	58	71	66	**16**
15	65	59	61	55	67	62	58	70	66	42	50	47	54	66	61	**15**
14	59	54	56	49	60	55	55	66	61	36	42	40	51	60	56	**14**
13	53	49	51	42	54	49	51	62	57	30	31	31	46	51	49	**13**
12	46	42	44	35	46	42	47	57	53	26	23	24	38	41	40	**12**
11	39	35	37	29	41	36	43	51	48	22	19	20	30	32	31	**11**
10	34	28	30	23	34	30	40	43	42	16	15	16	22	25	24	**10**
9	30	22	25	20	28	25	36	36	36	12	12	12	18	19	18	**9**
8	26	16	20	16	26	22	31	29	30	9	9	9	15	12	13	**8**
7	19	12	15	13	22	18	26	25	25	5	7	7	10	8	9	**7**
6	14	7	10	11	17	14	21	21	21	3	6	5	7	4	5	**6**
5	7	3	5	10	12	11	16	15	16	3	5	4	4	1	2	**5**
4	2	2	2	8	8	8	11	9	10	3	3	3	2	1	1	**4**
3	1	1	1	7	5	5	8	5	6	3	1	2	1	1	1	**3**
2	1	1	1	4	4	4	5	3	4	2	1	1	1	1	1	**2**
1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	**1**
Mean	12.7	13.8	13.4	14.7	12.5	13.4	13.8	12.2	12.8	12.1	15.5	16.1	14.7	13.6	14.1	*Mean*
S.D.	5.4	5.6	5.5	7.1	6.1	6.6	8.0	6.8	7.4	7.3	5.8	6.5	6.1	5.1	5.6	*S.D.*
Sample size	M: 92		W: 137	T: 229												

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	9	25	18	16	13	14	23	24	23	16	19	18	13	18	16	**A** (4)
B (3)	42	46	45	28	34	32	36	41	39	31	35	33	57	56	56	**B** (3)
C (2)	37	24	29	32	27	29	26	26	26	26	26	26	29	24	26	**C** (2)
D (1)	6	2	4	7	14	11	7	2	4	2	7	5	1	2	2	**D** (1)
F (0)	1	0	0	3	2	2	0	1	0	2	0	1	0	0	0	**F** (0)
Not Taken	6	3	4	14	10	11	8	7	7	22	14	17				**Not Taken**
Mean	2.55	2.96	2.80	2.54	2.48	2.51	2.81	2.92	2.88	2.73	2.76	2.75	2.69	2.76	2.73	*Mean*
S.D.	.79	.77	.80	1.01	.97	.99	.89	.82	.85	.92	.88	.90	.59	.64	.62	*S.D.*
Sample size	M: 90		W: 134	T: 224												

[a]Rounded to the nearest whole letter grade.

TABLE 2.86

ACT Score and High School Grade Norms for Students of Other Racial-Ethnic Backgrounds

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	96	98	98	99	99	99	**31**
30	99	99	99	97	98	98	99	99	99	94	97	96	99	99	99	**30**
29	99	99	99	95	97	96	98	98	98	91	96	94	99	99	99	**29**
28	99	99	99	92	96	94	97	97	97	87	94	91	98	98	98	**28**
27	99	98	99	88	94	91	94	94	94	84	90	87	97	96	97	**27**
26	99	97	98	84	90	88	90	92	91	79	86	83	95	94	95	**26**
25	99	96	97	79	87	83	85	88	87	74	83	79	92	92	92	**25**
24	98	93	95	74	83	79	80	85	82	69	80	75	87	90	89	**24**
23	96	90	92	70	81	76	74	81	78	65	77	72	82	86	84	**23**
22	93	84	88	67	78	73	69	76	73	60	73	67	76	82	79	**22**
21	87	78	82	64	75	70	64	73	69	55	68	62	71	77	74	**21**
20	81	72	76	60	71	66	59	69	65	50	64	57	65	71	69	**20**
19	75	65	70	55	66	62	56	65	61	44	58	52	58	66	62	**19**
18	68	56	61	51	64	58	53	62	58	38	52	46	52	60	56	**18**
17	60	47	53	45	58	52	50	60	55	32	46	40	45	55	50	**17**
16	52	41	46	38	52	45	47	58	53	26	39	33	38	50	44	**16**
15	45	34	39	31	46	39	45	56	51	21	30	26	31	44	38	**15**
14	39	29	33	26	41	34	43	52	48	16	21	19	25	37	31	**14**
13	33	24	28	22	37	30	39	47	43	11	15	13	20	29	25	**13**
12	29	19	23	18	33	26	35	42	38	7	10	8	16	22	19	**12**
11	23	15	19	15	29	23	29	37	33	4	6	5	12	15	14	**11**
10	16	11	14	13	25	19	23	31	28	3	4	4	8	9	9	**10**
9	11	7	9	11	20	16	19	24	22	2	3	3	5	5	5	**9**
8	7	4	6	9	16	13	14	19	17	1	2	2	3	3	3	**8**
7	5	3	4	7	13	10	11	13	12	1	1	1	1	1	1	**7**
6	3	1	2	5	10	8	8	9	9	1	1	1	1	1	1	**6**
5	1	1	1	4	8	6	5	6	6	1	1	1	1	1	1	**5**
4	1	1	1	3	6	4	3	4	4	1	1	1	1	1	1	**4**
3	1	1	1	2	4	3	2	3	3	1	1	1	1	1	1	**3**
2	1	1	1	1	3	2	1	2	2	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	15.3	16.9	16.2	18.3	15.7	16.9	16.6	15.1	15.7	20.4	18.6	19.4	17.7	16.7	17.2	*Mean*
S.D.	4.8	5.1	5.0	7.0	7.4	7.3	7.4	7.4	7.4	6.0	5.6	5.9	5.2	5.4	5.3	*S.D.*

Sample size: M 514 W 625 T 1,139

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	18	32	26	15	18	17	26	31	28	15	22	19	14	25	20	**A** (4)
B (3)	41	49	45	30	30	30	40	41	41	33	36	35	55	54	55	**B** (3)
C (2)	34	17	24	35	32	33	23	19	21	30	23	26	28	20	24	**C** (2)
D (1)	5	1	3	10	9	9	4	3	3	6	5	5	2	1	1	**D** (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	**F** (0)
Not Taken	2	1	2	9	11	10	7	6	6	16	13	14				**Not Taken**
Mean	2.74	3.12	2.95	2.54	2.62	2.59	2.93	3.06	3.00	2.68	2.87	2.78	2.71	2.91	2.82	*Mean*
S.D.	.82	.74	.80	.92	.94	.93	.85	.80	.83	.86	.87	.87	.64	.62	.64	*S.D.*

Sample size: M 496 W 609 T 1,105

[a]Rounded to the nearest whole letter grade.

TABLE 2.87

ACT Score and High School Grade Norms for Students Who Considered Their Racial-Ethnic Background Confidential

ACT SCORE PERCENTILE RANKS

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	98	99	98	99	99	99	95	98	96	99	99	99	**32**
31	99	99	99	96	99	98	98	99	98	92	96	94	99	99	99	**31**
30	99	99	99	95	98	96	96	98	97	87	93	90	98	99	99	**30**
29	99	99	99	92	97	94	94	97	96	82	90	86	97	98	97	**29**
28	99	98	99	89	94	91	91	95	93	78	88	83	95	96	95	**28**
27	99	97	98	85	90	88	88	92	90	74	85	79	91	94	93	**27**
26	97	95	96	80	87	83	83	89	86	69	82	76	87	91	89	**26**
25	96	92	94	75	83	79	77	84	81	65	78	72	82	87	85	**25**
24	94	87	90	71	80	75	72	78	75	61	74	67	78	83	80	**24**
23	90	82	86	67	77	72	66	72	69	56	70	63	72	78	75	**23**
22	86	75	80	64	74	69	60	67	64	51	64	58	67	73	70	**22**
21	80	67	73	61	70	66	55	63	59	47	60	53	61	68	64	**21**
20	74	59	66	57	67	62	51	58	54	42	54	48	55	63	59	**20**
19	67	53	60	54	63	58	47	55	51	37	49	43	50	57	53	**19**
18	58	44	51	50	58	54	45	53	49	32	44	38	45	50	48	**18**
17	50	36	43	45	52	49	43	50	46	27	37	32	39	45	42	**17**
16	44	31	37	39	46	42	40	48	44	22	30	26	34	39	36	**16**
15	37	26	32	33	40	37	38	45	41	17	23	20	29	33	31	**15**
14	31	22	26	28	35	31	35	40	38	13	17	15	24	27	25	**14**
13	27	18	22	24	31	28	31	36	34	9	11	10	19	22	20	**13**
12	22	15	19	21	27	24	26	32	29	6	7	6	15	17	16	**12**
11	18	12	15	18	24	21	23	28	25	4	5	5	10	12	11	**11**
10	13	9	11	15	20	18	19	23	21	3	3	3	7	8	7	**10**
9	10	6	8	13	17	15	15	18	17	2	2	2	5	4	4	**9**
8	7	4	5	10	14	12	11	14	13	2	2	2	3	2	3	**8**
7	4	2	3	8	11	10	8	10	9	1	1	1	2	1	1	**7**
6	3	1	2	6	8	7	6	7	7	1	1	1	1	1	1	**6**
5	1	1	1	4	6	5	4	5	4	1	1	1	1	1	1	**5**
4	1	1	1	3	4	4	3	3	3	1	1	1	1	1	1	**4**
3	1	1	1	2	3	3	2	2	2	1	1	1	1	1	1	**3**
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.5	18.2	17.3	18.5	16.8	17.6	18.2	16.9	17.6	21.8	19.9	20.8	18.8	18.0	18.4	*Mean*
S.D.	7 5.3	5.4	5.4	7.7	7.4	7.6	7.8	7.5	7.6	6.6	6.1	6.4	6.0	5.7	5.8	*S.D.*

Sample size M 1,700 W 1,740 T 3,440

HIGH SCHOOL GRADE PERCENTAGES

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	21	39	30	17	21	19	27	38	33	18	21	20	20	30	25	**A** (4)
B (3)	41	44	43	28	31	30	39	39	39	31	37	34	47	52	50	**B** (3)
C (2)	31	14	22	33	30	31	25	17	21	29	24	26	30	18	24	**C** (2)
D (1)	5	2	3	11	8	9	3	2	3	6	3	4	2	1	1	**D** (1)
F (0)	0	0	0	2	1	1	0	0	0	1	0	0	0	0	0	**F** (0)
Not Taken	2	1	2	10	9	10	6	4	5	16	15	15				**Not Taken**
Mean	2.79	3.22	3.01	2.53	2.69	2.61	2.95	3.17	3.06	2.71	2.90	2.81	2.74	2.99	2.87	*Mean*
S.D.	.84	.76	.83	.98	.94	.97	.85	.80	.83	.91	.81	.87	.69	.63	.67	*S.D.*

Sample size M 1,641 W 1,693 T 3,334

[a]Rounded to the nearest whole letter grade.

Chapter 3

STUDENT PROFILE SECTION (SPS) NORMS

In this chapter, percentage distributions for selected SPS items are given for subgroups of students defined by college control and type. Below are summarized some of the findings about their responses to these items.

Educational Major and Vocational Choice

Educational major and first vocational choice are strongly related; for both sexes they differ by 1% or less in most occupations. As one would expect, the distributions do significantly differ by sex.

Business and Commerce is the clear favorite of men (15-21%) in all types of private colleges; it and Engineering are co-favorites (14-18% and 10-15% respectively) in the public colleges. Agriculture and Trades are the next most popular in public 2-year colleges. In the other public colleges, Health and Social Science are third in order of educational preference among students.

Agriculture is the second most popular choice (11%) among men in private 2-year colleges; Education, Engineering, Health and Social Sciences are second place (10-15%) in the 4-year, master's level, and PhD level private colleges. Trades are not a frequent choice among men in any of the private schools.

Health is the most preferred educational major (22-28%) among women in all types of colleges, except public master's level schools, where it is second. Business and Commerce, and Education are also popular among women (9-24%) in all types of colleges. In private master's level and PhD level colleges Social Science is chosen by about 10% of the women. No other occupation is chosen as often and consistently as these four.

Educational Degree Aspirations

The degree level sought most often by students in both public and private colleges of all types is the bachelor's degree (44% overall). The next most popular tends to be the highest degree level offered by the school in which the student is enrolled. There are not any radical differences between the degree aspirations of students in public and private colleges.

Men tend to have higher aspirations than do women: 12% of all men aspire to a 2-year degree or lower, compared to 20% of all women; but 42% of all men plan a master's degree or higher, compared to 28% of all women.

Importance of Factors Affecting College Choice

By far, most students (49%) rate their field of study as the most important factor affecting their choice of a college. It is rated "most important" most frequently by students in all eight types of colleges.

Another important factor is "tuition and cost"; it is rated "most important" by 16% of the overall group and "second in importance" by 30%. This factor tends to concern public school students somewhat more than private school students, and 2-year college students more than others.

"Location (State or Region)" is rated "most important" by 17% of the overall group and "second in importance" by 24%. This factor also is more important to public than private school students, and to 2-year college students than others.

A somewhat less important factor than the above three is "type of institution." About 12% rate it "most important" and 19% "second in importance." The other factors—student body composition, size of enrollment, and other activities—are consistently rated low in importance.

Financial Aid Considerations

A smaller proportion of students in public 2-year colleges (47%) expect to apply for financial aid than students enrolled in other public colleges or in private 2-year or PhD level colleges (57%). About 67% of the students in private 4-year and master's level colleges expect to apply for financial aid. Overall, somewhat more women (58%) than men (53%) expect to apply.

From 51-58% of students in all eight types of colleges expect to work while in college and would like help in finding employment. Overall, about 28% do not expect to work; 19% expect to work from 1-10 hours per week, 29%, 11-20 hours, and 15%, 21 hours or more. A total of 10% of the students did not respond to the item. In general, men students expect to work longer hours than women, and students in public 2-year colleges expect to work longer hours than students in the other types of colleges.

Students in private colleges have somewhat larger family incomes than students in public colleges. Students in colleges granting the master's or PhD degree tend to have larger family incomes than students in 2-year and 4-year colleges. About 20% overall refused to disclose their family incomes.

Consistently across the eight types of colleges, about 18% of the students have no brothers and sisters under 21 years of age, 25% have one such brother or sister, 21% have two, 13% have three, and 16% have more than three.

Needs for Special Programs and Services

From 1-2% of all students have a permanent physical handicap which may require special services. This figure does not vary much either by sex or college type.

About 49% of all students feel they need special assistance in mathematics. Somewhat more women (53%) than men (45%) express this need; somewhat fewer students in PhD level colleges (43%) do than other students (48-58%). Other frequently cited needs are help in making educational and vocational decisions (44%) and improving study skills (39%).

Racial-Ethnic Background

Overall, about 67% of the ACT enrolled Class Profile student population identified themselves as Caucasian American, 6% as Afro-American, 3% as Puerto Rican/Spanish-speaking American, or Mexican American/Chicano, 2% as American Indian/Eskimo, and 1% as Oriental American. About 8% refused to disclose their racial-ethnic background and 13% omitted the item.

In general, the proportion of Caucasians increases with the degree level offered by the college (60-65% for 2-year colleges versus 67-72% for PhD level colleges). Also there tends to be a somewhat larger proportion of Caucasians in private than in public schools.

TABLE 3.1

Distribution of Planned Educational Major and First Vocational Choice

(In Percentages)

	Public 2-Year						Public 4-Year					
	MEN		WOMEN		TOTAL		MEN		WOMEN		TOTAL	
	Ed. Maj.	1st Voc.	Ed. Maj.	1st Voc.	Ed. Maj.	1st Voc.	Ed. Maj.	1st Voc.	Ed. Maj.	1st Voc.	Ed. Maj.	1st Voc.
Agric., Forestry, etc.	10	10	2	2	5	6	9	10	2	2	5	6
Architecture	3	3	1	1	2	2	2	2	0	0	1	1
Biological Sciences	2	1	2	1	2	1	4	2	3	2	3	2
Business & Commerce	16	15	21	21	19	18	14	14	16	18	15	16
Communications	3	3	1	2	2	2	2	2	2	2	2	2
Computer & Info. Sci.	3	3	2	3	3	3	3	3	2	2	3	3
Education	7	5	14	14	11	10	9	8	22	22	16	15
Engineering	11	10	0	0	5	5	14	13	1	0	7	6
Fine & Applied Arts	4	4	5	4	4	4	4	4	7	5	6	4
Foreign Languages	0	0	0	0	0	0	0	0	1	0	0	0
Health Professions	8	8	28	30	19	20	8	9	23	24	16	16
Home Economics	0	0	2	3	1	1	0	0	2	2	1	1
Letters (Humanities)	1	1	1	1	1	1	1	1	1	1	1	1
Mathematics	1	0	1	0	1	0	1	0	1	0	1	0
Physical Science	1	1	0	0	1	1	4	3	0	0	2	2
Community Service	6	6	5	5	5	6	4	5	3	4	4	4
Social Sciences	4	4	5	4	5	4	7	7	7	6	7	6
Trade, Indust., Tech.	10	13	0	1	5	6	4	7	0	0	2	4
General Studies	1	0	2	0	1	0	1	0	1	0	1	0
Undecided	8	11	7	8	8	9	8	10	7	9	8	10
Sample Size	**4,162**		**4,888**		**9,050**		**1,231**		**1,246**		**2,477**	

	Private 2-Year						Private 4-Year					
	MEN		WOMEN		TOTAL		MEN		WOMEN		TOTAL	
	Ed. Maj.	1st Voc.	Ed. Maj.	1st Voc.	Ed. Maj.	1st Voc.	Ed. Maj.	1st Voc.	Ed. Maj.	1st Voc.	Ed. Maj.	1st Voc.
Agric., Forestry, etc.	11	12	1	1	6	6	4	5	1	1	2	3
Architecture	1	2	1	1	1	1	1	1	1	1	1	1
Biological Sciences	3	1	1	1	2	1	4	2	3	2	3	2
Business & Commerce	21	19	21	21	21	20	17	16	13	13	15	14
Communications	2	2	1	1	2	2	2	3	1	2	2	2
Computer & Info. Sci.	2	2	1	0	1	1	3	3	1	1	2	2
Education	7	7	16	17	12	13	10	9	19	20	15	16
Engineering	8	8	0	0	4	4	7	7	0	0	3	3
Fine & Applied Arts	3	3	5	4	4	4	6	5	7	6	7	6
Foreign Languages	0	0	0	0	0	0	1	0	1	1	1	0
Health Professions	9	10	23	23	16	17	10	11	23	25	17	19
Home Economics	0	0	5	5	3	3	0	0	2	2	1	1
Letters (Humanities)	3	3	2	2	2	3	7	7	3	3	5	5
Mathematics	1	0	1	0	1	0	2	1	1	1	1	1
Physical Science	2	1	1	1	1	1	3	2	1	1	2	1
Community Service	6	7	5	6	5	7	1	2	4	5	3	4
Social Sciences	6	5	5	4	6	4	9	8	8	8	8	8
Trade, Indust., Tech.	6	8	0	1	3	4	5	6	0	0	2	3
General Studies	1	0	2	0	2	0	1	0	2	0	1	0
Undecided	9	10	8	10	8	10	8	12	7	9	7	10
Sample Size	**713**		**884**		**1,597**		**1,592**		**2,094**		**3,686**	

TABLE 3.1 (Continued)

Public Master's

MEN		WOMEN		TOTAL	
Ed. Maj.	*1st Voc.*	*Ed. Maj.*	*1st Voc.*	*Ed. Maj.*	*1st Voc.*
9	8	1	1	5	5
2	2	1	1	2	2
3	2	3	2	3	2
18	16	14	14	16	15
3	4	2	2	3	3
3	3	1	2	2	2
9	9	24	25	17	18
10	10	0	0	5	5
5	5	7	6	6	5
0	0	1	1	1	0
9	9	18	19	14	15
0	0	3	3	2	2
1	1	1	1	1	1
1	1	1	1	1	1
2	2	1	1	1	1
3	4	4	5	3	4
8	8	8	7	8	7
3	5	0	0	1	2
1	0	1	0	1	0
9	12	7	9	8	10
3,609		**4,306**		**7,915**	

Public PhD

MEN		WOMEN		TOTAL	
Ed. Maj.	*1st Voc.*	*Ed. Maj.*	*1st Voc.*	*Ed. Maj.*	*1st Voc.*
8	8	2	2	5	5
4	4	2	2	3	3
4	2	4	3	4	2
14	13	10	10	12	12
3	3	3	3	3	3
2	2	1	1	2	2
5	4	16	17	11	11
15	14	1	1	8	8
4	4	8	7	6	6
0	0	1	1	1	0
13	14	23	25	18	19
0	0	4	4	2	2
1	1	1	1	1	1
1	1	1	1	1	1
3	3	1	1	2	2
2	3	3	4	2	3
10	9	9	8	9	9
2	4	0	0	1	2
1	0	2	0	1	0
6	10	7	9	7	10
6,354		**6,188**		**12,542**	

Public and Private Overall

MEN		WOMEN		TOTAL	
Ed. Maj.	*1st Voc.*	*Ed. Maj.*	*1st Voc.*	*Ed. Maj.*	*1st Voc.*
8	8	2	2	5	5
3	3	1	1	2	2
3	2	3	2	3	2
16	15	14	15	15	15
3	3	2	2	2	3
2	3	2	2	2	2
7	6	18	19	13	13
12	11	1	1	6	6
5	4	7	6	6	5
0	0	1	1	1	0
10	11	24	26	18	19
0	0	3	3	2	2
2	2	1	1	2	1
1	1	1	0	1	1
2	2	1	1	2	1
3	4	4	4	3	4
8	7	8	7	8	7
5	6	0	0	2	3
1	0	2	0	1	0
8	11	7	9	7	10
19,463		**21,812**		**41,275**	

Private Master's

MEN		WOMEN		TOTAL	
Ed. Maj.	*1st Voc.*	*Ed. Maj.*	*1st Voc.*	*Ed. Maj.*	*1st Voc.*
2	3	0	0	1	2
2	2	1	2	2	2
4	2	3	2	3	2
15	13	9	10	12	12
2	2	2	3	2	2
2	2	2	2	2	2
6	7	20	21	13	14
10	10	1	1	5	5
6	5	9	8	8	6
0	0	2	1	1	1
13	17	22	22	18	20
0	0	2	2	1	1
5	4	3	2	4	3
2	1	1	1	2	1
3	2	1	1	2	1
6	6	4	6	5	6
12	11	10	9	11	10
1	3	0	0	1	1
1	0	1	0	1	0
8	12	8	9	8	11
699		**753**		**1,452**	

Private PhD

MEN		WOMEN		TOTAL	
Ed. Maj.	*1st Voc.*	*Ed. Maj.*	*1st Voc.*	*Ed. Maj.*	*1st Voc.*
4	4	1	1	2	2
2	2	1	1	2	2
5	2	4	2	4	2
16	14	10	11	13	13
3	3	3	3	3	3
1	2	1	1	1	1
5	5	17	17	12	12
13	12	1	1	7	6
5	4	8	7	7	6
1	0	2	1	1	1
15	19	25	28	21	23
0	0	4	4	2	2
2	1	2	2	2	1
1	1	1	1	1	1
3	3	1	0	2	2
1	3	2	3	1	3
12	11	11	9	11	10
2	3	0	0	1	1
1	0	2	0	2	0
7	10	5	10	6	10
792		**889**		**1,661**	

TABLE 3.2

Distribution of Educational Degree Aspirations

(In Percentages)

	Public 2-Year			Public 4-Year			Public Master's			Public PhD		
	M	W	T	M	W	T	M	W	T	M	W	T
Voc. or tech. program (less than 2 years)	5	7	6	2	3	3	1	2	1	1	1	1
2-year college degree	26	38	32	11	19	15	5	11	8	3	8	5
Bachelor's degree	40	32	36	44	47	46	51	52	52	41	50	45
1 or 2 years of grad. study (MA, MBA, etc.)	11	10	10	14	13	14	18	16	17	22	20	21
Professional level degree (PhD, MD, LLB, JD, etc.)	14	8	10	23	11	17	21	13	17	30	17	24
Other	5	5	5	5	7	6	4	6	5	3	5	4
Sample Size	**4,126**	**4,842**	**8,968**	**1,216**	**1,234**	**2,450**	**3,579**	**4,245**	**7,824**	**6,307**	**6,146**	**12,453**

TABLE 3.2 (Continued)

Private 2-Year			Private 4-Year			Private Master's			Private PhD			Public and Private Overall		
M	W	T	M	W	T	M	W	T	M	W	T	M	W	T
4	9	7	2	2	2	1	2	1	1	1	1	2	3	3
22	34	29	7	11	9	2	8	5	2	8	5	10	17	14
39	36	38	43	52	48	39	49	44	32	48	40	42	46	44
11	7	9	19	17	18	23	21	22	23	21	22	18	15	17
17	7	12	23	13	17	32	17	24	40	18	28	24	13	18
6	7	6	6	5	6	4	4	4	2	3	2	4	5	5
717	**880**	**1,597**	**1,578**	**2,068**	**3,646**	**700**	**746**	**1,446**	**789**	**863**	**1,652**	**19,324**	**21,599**	**40,923**

TABLE 3.3

Distribution of Importance of Factors Affecting College Choice

(In Percentages)

	Public 2-Year			Public 4-Year			Public Master's			Public PhD		
	M	W	T	M	W	T	M	W	T	M	W	T
Type of Institution												
Most important	13	11	12	12	12	12	12	11	11	10	10	10
2nd in importance	17	17	17	19	17	18	18	18	18	20	18	19
3rd in importance	21	21	21	20	22	21	22	20	21	22	21	21
4th-6th in importance	46	49	48	45	47	46	46	48	47	45	48	47
Least (7th) important	3	2	2	4	3	3	3	3	3	3	3	3
Sample Size	**3,046**	**3,668**	**6,714**	**952**	**947**	**1,899**	**2,786**	**3,426**	**5,212**	**5,140**	**5,066**	**10,206**
Student-Body Composition												
Most important	2	2	2	3	1	2	2	2	2	2	2	2
2nd in importance	5	5	5	6	5	6	7	6	6	6	6	6
3rd in importance	10	10	10	9	11	10	11	10	10	11	11	11
4th-6th in importance	72	75	74	72	74	73	72	74	73	72	73	73
Least (7th) important	11	9	10	10	9	9	9	8	8	9	7	8
Sample Size	**2,935**	**3,508**	**6,443**	**912**	**911**	**1,823**	**2,719**	**3,317**	**6,036**	**5,016**	**4,927**	**9,943**
Location (State or Region)												
Most important	22	21	21	21	24	22	19	19	19	14	17	15
2nd in importance	26	26	26	23	25	24	23	22	23	25	24	24
3rd in importance	25	27	26	25	22	24	25	26	25	26	27	27
4th-6th in importance	25	24	25	29	29	29	31	31	31	33	31	32
Least (7th) important	1	1	1	2	1	2	2	2	2	2	2	2
Sample Size	**3,110**	**3,738**	**6,848**	**952**	**968**	**1,920**	**2,816**	**3,480**	**6,296**	**5,196**	**5,115**	**10,311**
Tuition, cost												
Most important	19	20	20	17	18	18	17	18	17	15	15	15
2nd in importance	30	33	32	30	34	32	30	32	31	29	32	30
3rd in importance	22	22	22	23	22	22	21	21	21	22	22	22
4th-6th in importance	28	24	26	27	25	26	29	27	28	33	29	31
Least (7th) important	1	1	1	2	1	2	2	2	2	3	2	2
Sample Size	**3,074**	**3,716**	**6,790**	**954**	**966**	**1,920**	**2,802**	**3,449**	**6,251**	**5,138**	**5,109**	**10,247**
Size of Enrollment												
Most important	1	1	1	1	2	2	2	1	1	1	1	1
2nd in importance	4	3	3	6	4	5	4	5	5	3	3	3
3rd in importance	8	6	7	7	9	8	8	9	8	6	7	7
4th-6th in importance	78	82	80	76	79	77	77	77	77	77	78	78
Least (7th) important	9	8	9	9	7	8	10	8	9	13	11	12
Sample Size	**2,885**	**3,470**	**6,355**	**904**	**904**	**1,808**	**2,674**	**3,298**	**5,972**	**4,936**	**4,845**	**9,781**
Field of Study												
Most important	43	46	45	43	44	43	47	49	48	57	54	55
2nd in importance	17	16	17	16	16	16	17	16	16	17	17	17
3rd in importance	14	14	14	14	14	14	13	13	13	10	12	11
4th-6th in importance	24	23	23	25	26	26	23	21	22	15	18	16
Least (7th) important	1	1	1	2	0	1	1	1	1	1	1	1
Sample Size	**3,035**	**3,665**	**6,700**	**949**	**948**	**1,897**	**2,789**	**3,438**	**6,227**	**5,190**	**5,114**	**10,304**
Other Activities												
Most important	4	3	4	7	3	5	6	4	5	6	4	5
2nd in importance	3	2	2	3	2	3	3	2	3	3	3	3
3rd in importance	3	2	2	3	3	3	3	2	2	4	3	3
4th-6th in importance	19	14	17	15	12	14	14	12	13	15	12	14
Least (7th) important	71	79	75	72	80	76	74	80	77	72	78	75
Sample Size	**2,190**	**2,427**	**4,617**	**692**	**655**	**1,347**	**1,929**	**2,271**	**4,200**	**3,200**	**3,006**	**6,206**

TABLE 3.3 (Continued)

Private 2-Year			Private 4-Year			Private Master's			Private PhD			Public and Private Overall		
M	W	T	M	W	T	M	W	T	M	W	T	M	W	T
19	18	18	17	16	16	21	20	20	18	22	20	13	12	12
19	18	18	19	20	20	19	21	20	20	21	21	19	18	19
19	18	19	18	20	19	17	16	16	20	18	19	21	20	21
40	43	42	42	41	42	38	40	39	38	37	37	44	47	46
3	4	4	4	3	3	5	4	5	3	3	3	3	3	3
500	**663**	**1,163**	**1,234**	**1,713**	**2,947**	**534**	**605**	**1,139**	**624**	**657**	**1,281**	**15,075**	**17,206**	**32,281**
2	2	2	2	2	2	1	2	2	1	3	2	2	2	2
8	6	7	6	5	6	5	7	6	6	9	7	6	6	6
11	11	11	10	10	10	10	14	12	12	13	12	11	10	10
67	68	68	69	72	71	74	68	70	71	66	68	72	73	72
12	12	12	14	11	12	9	10	10	10	9	10	10	8	9
476	**632**	**1,108**	**1,181**	**1,666**	**2,847**	**517**	**585**	**1,102**	**605**	**625**	**1,230**	**14,610**	**16,607**	**31,217**
17	17	17	9	11	10	9	11	10	8	11	9	16	17	17
23	22	22	21	21	21	21	19	20	21	20	21	24	24	24
22	25	24	25	24	24	25	27	26	25	24	25	25	26	26
35	34	34	40	41	41	41	41	41	42	40	41	32	31	32
3	2	2	5	4	4	5	2	3	4	4	4	2	2	2
493	**667**	**1,160**	**1,227**	**1,711**	**2,938**	**537**	**604**	**1,141**	**621**	**642**	**1,263**	**15,218**	**17,394**	**32,612**
15	16	16	15	13	14	13	13	13	12	9	10	16	17	16
29	30	30	25	28	27	26	27	27	27	25	26	29	31	30
24	22	23	22	21	22	23	20	21	22	21	22	22	22	22
30	29	29	35	36	35	33	35	34	35	41	38	31	29	30
2	3	2	3	2	3	5	5	5	4	4	4	2	2	2
479	**663**	**1,142**	**1,210**	**1,703**	**2,913**	**524**	**598**	**1,122**	**615**	**643**	**1,258**	**15,058**	**17,311**	**32,369**
1	2	2	2	3	2	3	3	3	1	1	1	1	1	1
6	8	7	7	7	7	7	7	7	4	3	4	4	4	4
11	9	9	13	13	13	12	11	11	7	9	8	8	8	8
72	74	73	69	69	69	69	71	70	72	69	71	76	77	77
10	8	9	9	8	9	10	7	9	15	18	17	11	9	10
469	**640**	**1,109**	**1,183**	**1,669**	**2,852**	**518**	**590**	**1,108**	**596**	**614**	**1,210**	**14,417**	**16,467**	**30,884**
42	36	39	49	50	50	49	45	47	55	41	48	50	49	49
15	16	16	18	18	18	20	18	19	18	21	19	17	17	17
13	15	14	10	11	11	11	13	12	10	13	12	12	13	12
28	30	29	21	19	20	19	22	21	16	23	19	20	21	20
1	2	2	1	2	1	2	1	2	2	2	2	1	1	1
489	**648**	**1,137**	**1,229**	**1,718**	**2,947**	**527**	**608**	**1,135**	**630**	**645**	**1,275**	**15,107**	**17,251**	**32,358**
11	16	14	12	12	12	12	14	13	12	26	19	7	6	7
4	3	3	5	4	5	5	4	5	8	5	6	4	3	3
4	2	3	4	3	3	4	3	3	4	4	4	3	2	3
15	12	13	14	12	13	15	11	13	13	7	10	16	12	14
66	68	67	65	69	67	64	68	66	64	58	61	71	76	74
358	**467**	**825**	**828**	**1,153**	**1,981**	**354**	**377**	**731**	**368**	**398**	**764**	**10,119**	**11,067**	**21,186**

TABLE 3.4

Distribution of Financial Aid Considerations

(In Percentages)

	Public 2-Year			Public 4-Year			Public Master's			Public PhD		
	M	W	T	M	W	T	M	W	T	M	W	T
Expects to apply for financial aid	45	49	47	54	61	57	53	59	56	55	57	56
Expects to work while in college and would like help finding employment	51	50	51	52	58	55	56	54	55	54	50	52
Hours per week expects to work during first year of college:												
None	14	21	18	24	28	26	27	34	31	32	39	35
1-10	13	18	15	15	21	18	17	22	19	17	21	19
11-20	28	30	29	30	30	30	31	28	29	30	27	29
21-30	17	12	14	13	10	12	12	7	9	12	6	9
31 or more	9	4	6	5	4	5	4	3	3	3	1	2
No response	19	15	17	12	8	10	10	7	8	7	6	6
Estimated total family income before taxes:												
Less than 3,000	3	5	4	4	6	5	3	5	4	2	2	2
3,000-5,999	6	7	7	7	10	9	6	8	7	4	4	4
6,000-7,499	5	5	5	6	6	6	4	5	5	4	4	4
7,500-8,999	5	5	5	5	7	6	6	6	6	5	4	5
9,000-11,999	12	13	12	15	14	14	12	12	12	12	11	12
12,000-14,999	13	12	12	14	11	13	14	13	13	14	12	13
15,000-19,999	9	9	9	10	10	10	12	10	11	13	12	12
20,000 and over	9	7	8	10	7	8	14	12	13	20	18	19
Consider info. confidential	18	20	19	17	19	18	17	21	19	19	24	22
No response	20	17	19	13	10	12	11	9	10	8	8	8
Number of brothers and sisters under 21 years of age:												
None	20	20	20	18	18	18	19	19	19	17	18	18
One	22	22	22	23	24	24	26	26	26	27	27	27
Two	18	18	18	20	21	21	21	21	21	22	22	22
Three	11	12	11	14	12	13	13	14	14	14	15	14
Four	6	7	6	7	8	8	6	7	7	8	7	7
Five	3	4	3	3	5	4	4	4	4	3	3	3
Six	2	2	2	3	2	2	2	2	2	1	2	2
Seven	1	1	1	1	2	1	1	1	1	1	1	1
Eight	0	0	0	1	1	1	0	1	0	0	0	0
Nine or more	1	1	1	1	1	1	1	0	1	0	0	0
No response	17	14	16	11	6	9	8	5	7	6	4	5
Sample Size	**5,046**	**5,865**	**10,711**	**1,396**	**1,347**	**2,743**	**3,931**	**4,560**	**8,491**	**6,755**	**6,478**	**13,233**

TABLE 3.4 (Continued)

Private 2-Year			Private 4-Year			Private Master's			Private PhD			Public and Private Overall		
M	W	T	M	W	T	M	W	T	M	W	T	M	W	T
52	61	57	65	69	67	66	68	67	58	56	57	53	58	56
58	58	58	59	57	58	60	55	57	51	51	51	54	52	53
19	28	24	25	32	29	28	35	32	30	37	34	25	31	28
20	22	21	20	26	23	20	24	22	16	23	19	16	21	19
29	29	29	30	26	28	32	29	30	29	25	27	30	28	29
12	9	10	11	7	9	11	6	8	12	6	9	13	8	11
11	5	8	4	2	3	3	2	2	4	3	3	5	3	4
9	8		11	7	9	6	4	5	9	6	8	11	9	10
5	7	6	3	6	5	3	3	3	2	4	3	3	4	3
6	11	9	8	6	7	6	6	6	4	6	5	6	7	6
4	6	5	5	4	4	6	4	5	3	5	4	4	5	5
6	8	7	7	6	7	6	6	6	5	4	5	5	5	5
15	12	13	13	13	13	12	13	12	11	11	11	13	12	12
15	12	14	14	12	13	13	12	12	14	13	14	14	12	13
11	9	10	10	12	11	14	11	13	12	11	11	11	10	11
8	9	8	12	12	12	16	15	16	19	15	17	14	12	13
18	16	17	15	20	18	19	24	21	21	23	22	18	21	20
10	11	11	12	10	11	6	6	6	9	9	9	12	11	12
23	18	20	16	17	17	19	16	17	15	18	17	18	18	18
22	18	20	23	23	23	25	26	26	25	26	25	25	24	25
20	21	21	22	22	22	23	25	24	22	18	20	21	21	21
12	15	13	13	13	13	14	14	14	15	14	14	13	14	13
7	10	9	9	8	9	7	9	8	7	9	8	7	7	7
3	5	4	3	5	4	3	4	4	4	5	5	3	4	4
2	2	2	2	2	2	3	2	3	2	3	2	2	2	2
1	2	2	1	1	1	1	1	1	2	1	2	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
1	1	1	1	1	1	0	0	0	0	1	1	1	1	1
8	7	7	10	6	8	4	3	3	7	4	6	10	7	9
770	**952**	**1,722**	**1,774**	**2,233**	**4,007**	**729**	**775**	**1,504**	**856**	**914**	**1,770**	**21,631**	**23,591**	**45,222**

TABLE 3.5

Distribution of Needs for Special Programs and Services

(In Percentages)

	Public 2-Year			Public 4-Year			Public Master's			Public PhD		
	M	W	T	M	W	T	M	W	T	M	W	T
Has permanent physical handicap or disability which may require special services or provisions in college	2	1	1	2	1	1	1	1	1	1	1	1
Needs special assistance with:												
Educ. & voc. decisions	42	39	40	46	42	44	46	48	47	45	48	46
Expressing ideas in writing	27	31	29	27	31	29	29	33	31	25	28	27
Reading speed & comprehension	38	33	35	37	35	36	38	35	36	36	34	35
Improving study skills	43	37	40	41	40	41	45	38	41	39	34	37
Improving mathematical skills	50	54	52	47	57	52	48	56	53	39	48	43
Personal counseling	36	32	34	35	35	35	37	36	36	35	34	34
Interested in the following programs:												
Independent study	31	35	33	41	41	41	39	40	40	45	43	44
Freshman honors courses	12	14	13	22	23	22	18	21	20	26	25	25
Study in a foreign country	13	21	17	19	26	23	18	29	24	21	35	28
Advanced placement in:												
English	11	21	16	18	29	23	16	28	23	20	30	25
Mathematics	16	11	13	24	15	20	21	14	17	27	16	22
Social studies	18	15	17	26	21	24	27	22	24	28	23	25
Natural sciences	17	13	15	25	16	20	22	15	18	29	17	23
French	2	4	3	4	6	5	3	6	5	3	8	5
German	2	3	3	4	3	3	3	3	3	4	4	4
Spanish	5	8	6	6	10	8	5	8	7	6	10	8
Other Languages	3	3	3	4	4	4	4	3	3	3	3	3
Would like to receive credit by examination in:												
English	23	34	29	34	46	40	33	46	40	38	48	43
Mathematics	22	16	19	33	21	27	30	22	26	39	26	32
Social studies	27	20	24	39	28	34	37	29	33	41	31	36
Natural sciences	23	15	18	33	21	27	30	20	25	36	23	29
Interested in participating in ROTC, NROTC, AFROTC, etc.	9	4	7	16	6	11	13	6	9	15	5	10
Sample Size	**5,046**	**5,665**	**10,711**	**1,396**	**1,347**	**2,743**	**3,931**	**4,560**	**8,491**	**6,755**	**6,478**	**13,233**

TABLE 3.5 (Continued)

Private 2-Year			Private 4-Year			Private Master's			Private PhD			Public and Private Overall		
M	W	T	M	W	T	M	W	T	M	W	T	M	W	T
2	1	1	2	1	1	1	0	1	1	0	1	1	1	1
42	43	43	46	45	45	48	45	47	40	46	43	44	44	44
32	37	35	28	31	29	28	31	29	24	32	28	27	31	29
43	40	42	38	35	36	41	36	39	36	37	37	37	34	36
51	48	49	43	37	39	44	37	40	36	35	36	42	37	39
53	62	58	45	52	49	44	52	48	35	50	43	45	53	49
36	36	36	35	34	34	40	36	38	34	41	38	36	34	35
38	37	37	42	44	43	51	46	48	46	42	44	40	40	40
17	19	18	24	24	24	31	31	31	32	30	31	21	21	21
17	24	21	23	34	29	25	38	32	23	34	28	19	29	24
14	24	19	19	29	25	24	38	31	24	33	29	17	27	22
20	13	16	21	14	17	30	17	23	30	17	23	23	14	18
23	19	20	26	22	24	30	26	28	27	22	24	25	20	23
21	15	18	21	14	17	29	17	23	30	16	22	24	15	19
3	5	4	4	7	6	6	9	8	4	6	5	3	6	5
5	4	4	4	4	4	4	6	5	4	4	4	3	4	3
6	8	7	6	10	8	10	13	11	10	12	11	6	9	7
5	3	4	3	3	3	5	4	4	5	4	5	3	3	3
27	39	34	34	45	40	37	54	46	41	47	44	33	43	38
24	19	21	28	22	25	37	28	33	40	24	32	31	22	26
32	23	27	37	28	32	40	34	37	38	28	33	36	27	31
24	18	21	28	20	24	34	22	28	38	22	30	30	20	25
9	4	6	9	6	7	13	5	9	12	5	8	12	5	9
770	**952**	**1,722**	**1,774**	**2,233**	**4,007**	**729**	**775**	**1,504**	**856**	**914**	**1,770**	**21,631**	**23,591**	**45,222**

TABLE 3.6

Distribution of Racial-Ethnic Background

(In Percentages)

	Public 2-Year			Public 4-Year			Public Master's			Public PhD		
	M	W	T	M	W	T	M	W	T	M	W	T
Afro-American	3	5	4	7	10	8	7	9	8	4	6	5
American Indian/Eskimo	2	2	2	1	2	1	2	2	2	1	1	1
Caucasian American	59	60	60	64	65	64	67	68	68	72	71	72
Mexican American	4	4	4	3	4	3	1	2	1	2	1	1
Oriental American	0	1	1	0	0	0	0	1	0	1	1	1
Puerto Rican or Spanish-speaking American	0	0	0	0	0	0	0	0	0	0	0	0
Other	3	3	3	3	2	2	2	2	2	2	3	2
Prefer not to respond	9	7	8	8	7	7	7	7	7	8	8	8
Not given	21	17	19	15	9	12	12	9	11	10	8	9
Sample Size	**5,046**	**5,665**	**10,711**	**1,396**	**1,347**	**2,743**	**3,931**	**4,560**	**8,491**	**6,755**	**6,478**	**13,233**

TABLE 3.6 (Continued)

Private 2-Year			Private 4-Year			Private Master's			Private PhD			Public and Private Overall		
M	W	T	M	W	T	M	W	T	M	W	T	M	W	T
8	11	9	7	9	8	5	8	6	2	6	4	5	7	6
2	1	2	1	1	1	1	1	1	1	1	1	1	2	2
64	67	65	66	70	68	69	68	68	69	66	67	66	67	67
2	1	2	0	0	0	3	3	3	1	1	1	2	2	2
0	0	0	0	0	0	1	0	0	0	1	1	0	1	1
0	0	0	0	0	0	2	2	2	2	4	3	0	1	1
2	2	2	2	3	3	2	3	2	4	4	4	2	3	3
7	7	7	7	6	7	9	8	8	8	9	8	8	7	8
14	11	12	15	10	12	10	6	8	12	9	10	14	11	13
770	**952**	**1,722**	**1,774**	**2,233**	**4,007**	**729**	**775**	**1,504**	**856**	**914**	**1,770**	**21,631**	**23,591**	**45,222**

Appendix A

GLOSSARY

Average (Mean): The arithmetic sum of a set of figures, divided by the number of figures added. For example, the high school average is the sum of the four high school grades divided by four.

Confidence Interval: A type of interval estimate of some unknown quantity. An interval whose endpoints can be computed from sample data is called a "p" confidence interval if in repeated sampling, the proportion of such intervals containing the unknown quantity is "p." In many situations, a two-thirds confidence interval is the range from one standard error below the estimate to one standard error above.

Percentage: A proportion (fraction) of a group expressed in hundredths. Thus, 51% means the same thing as 51/100.

Percentile Rank: A number used to describe the standing of an individual relative to a defined group. The percentile rank of a given score is the percentage of individuals in the reference group who rank below that score. The range of percentiles is from 1 to 99, a percentile rank of one being at the bottom of the group and of 99 being at the top of the group.

Raw Score: The number of test items answered correctly.

Standard Deviation (SD): A quantity which measures the amount of variability present in a specified group. On a given scale, a small standard deviation indicates less variability in the group than a large standard deviation. In many situations, about 67% of a population is included in the range from one standard deviation below the mean (see above) to one standard deviation above the mean. The standard deviation of ACT mathematics test scores is about 7.6 standard score units nationally for freshman males and about 7.5 for freshman females.

Standard Error (of a survey estimate): A quantity which measures the precision of a survey estimate. On a given scale, a small standard error indicates greater precision (less variability) in the estimate than a large standard error. The standard error of an estimate is equal to the standard deviation of the set of estimates that could be computed from all possible samples of a given design. It is possible to estimate the standard error from the data on which the estimate itself is based. Estimated standard errors can be used to construct confidence intervals (see above).

Standard Score: A test score derived from the raw scores (see above). One use of a standard score is to compare scores on different tests. For example, a standard score of 20 indicates the same relative standing on any of the ACT tests.

Appendix B

the ACT Interest Inventory and Student Profile Section

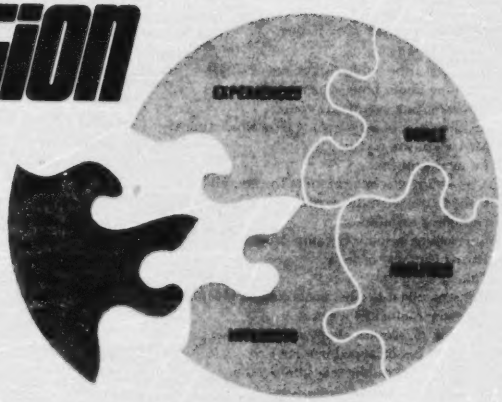
1974-75 EDITION

In response to many inquiries about the information requested on the ACT Interest Inventory and Student Profile Section (SPS), we have prepared this reprint of the two as they appear in *Taking the ACT Assessment*, the student registration handbook for 1974-75.

Most of the SPS items ask for the kind of information about students which students and colleges need for effective planning. Results from the 90-item ACT Interest Inventory help students make educational and career plans.

Instructions supplied on the four-page registration folder tell students that

"Your responses will help present a broader picture of you than that provided by test scores and grades alone. In turn, the college you attend will be better able to help you in matters of advising, counseling, admissions, and educational planning."



THE ACT INTEREST INVENTORY

The ACT Interest Inventory is designed to help you with your educational and career planning. Your responses to these 90 job-related activities are used to indicate in which of six major interest areas your interests are highest and to compare your pattern of scores with the scores of college seniors in various educational majors (programs of study). Using a "World of Work Map," your scores will also be compared with those of people in many different careers. Your interest inventory results should help you consider and explore many different educational and career areas.

Directions: This section is designed to measure your vocational interests in six major career areas. Please indicate how much you would like doing each of the activities listed. Try to mark an activity even if you are uncertain as to how you feel about it. **Use the scale shown below to mark your answers on page 2 of the Registration Folder.**

I would **dislike** this **very much**	DV
I would **dislike** this a little	D
I am **indifferent** or don't know much about it	I
I would **like** this fairly well	L
I would **like** this **very much**	LV

1. Studying physics
2. Sketching and drawing
3. Studying sociology
4. Selling appliances
5. Making out income-tax returns
6. Doing mechanical drawings
7. Studying calculus
8. Acting in plays
9. Teaching children
10. Selling clothing in a store
11. Keeping records for a store
12. Operating a power tool
13. Studying chemistry
14. Reading or writing poetry
15. Helping friends with their problems
16. Selling insurance
17. Bookkeeping
18. Repairing an automobile
19. Working in a science laboratory
20. Singing in public
21. Teaching in high school
22. Campaigning for a political office
23. Looking for errors in the draft of a report
24. Riveting sheet metal
25. Learning about nuclear particles
26. Writing for a newspaper
27. Being a counselor
28. Conducting business by phone
29. Typing reports
30. Catching or breeding fish commercially
31. Learning about blood chemistry
32. Listening to a symphony concert
33. Reading school assignments to a blind student
34. Making business trips
35. Filing documents
36. Assembling mechanical units for aircraft
37. Conducting scientific experiments
38. Designing fashions
39. Supervising a summer camp program for children
40. Hiring persons for jobs
41. Taking dictation
42. Constructing a cabinet according to blueprints
43. Studying biological sciences
44. Reading magazines about art and music
45. Assisting handicapped persons
46. Working as a public relations person
47. Setting up a bookkeeping system
48. Operating electrical, mechanical, or computer equipment
49. Studying the effects of vitamins on animals
50. Drawing cartoons
51. Working for the Red Cross
52. Directing a sales staff for a large company
53. Finding errors in a financial account
54. Grinding lenses for binoculars or eyeglasses
55. Doing bacterial research
56. Writing short stories
57. Helping the poor
58. Interviewing people for a job
59. Making charts and graphs
60. Working as a hunting or fishing guide
61. Studying plant microorganisms
62. Reading about the writing style of modern novelists
63. Being a social worker
64. Working as a personnel director for a business
65. Keeping expense-account records
66. Making dental plates, inlays, and bridgework
67. Investigating the effect of new tranquilizers on mental illness
68. Working as a professional dancer
69. Working with youth groups
70. Demonstrating a new product in a store
71. Handling deposits and withdrawals in a bank
72. Engraving lettering or designs on printing plates
73. Investigating the psychological characteristics of creative thinkers
74. Composing or arranging musical scores
75. Helping new students get acquainted at school
76. Managing a sales campaign
77. Working as an accountant
78. Working on a road-survey crew
79. Experimenting with solar energy as a power source
80. Preparing drawings to illustrate magazine stories
81. Working with drug addicts
82. Making travel arrangements for people
83. Working as a mathematician
84. Repairing electronic equipment
85. Working on a new mathematical theory
86. Working as a free-lance artist
87. Taking care of babies or very small children
88. Promoting publicity for individuals or organizations
89. Operating computer equipment
90. Installing telephones

1974-75 ACT STUDENT PROFILE SECTION

PART I

The *Student Profile Section* (SPS) is designed to help you think about your educational future and to provide information to colleges for their educational planning.

Mark your responses on page 3 of the Registration Folder. It is important that you respond to every question. However, if you do not wish to answer a question, you may skip that question. Mark only one answer to each question.

ADMISSIONS/ENROLLMENT INFORMATION

1. I plan to enroll as a
   - full-time student 1
   - part-time student 2
2. I plan to attend classes primarily during the
   - day 1
   - evening 2
3. I plan to enter college in
   - January/February 1975 0
   - March/April 1975 1
   - May/June/July 1975 2
   - August/September/October 1975 3
   - November/December 1975 4
   - January/February 1976 5
   - March/April 1976 6
   - May/June/July 1976 7
   - August/September/October 1976 8
   - I am currently enrolled in college 9
4. Upon entering college, I plan to live in
   - residence hall 1
   - off-campus room or apartment 2
   - parents' or relative's home 3
   - married student housing 4
   - fraternity or sorority 5
5. My current marital status is
   - single 1
   - married 2

Use the responses below to answer all the items in this group.

Yes, applies to me ..... Y
No, does not apply to me ..... N

6. I am a United States citizen.
7. I am a legal resident of the state I recorded on my Registration Folder.
8. I have a physical handicap or disability that may require special services or provisions from the college I attend.
9. I have served or am currently serving on active duty with the military forces.
10. I have previously earned college credit.

EDUCATIONAL PLANS, INTERESTS, AND NEEDS

The items in this section deal with your special plans, interests, and educational needs.

Major and Vocational Choice

For each question, examine the list of majors that begins with number 100 and ends with number 370. When you have decided on your answers, please blacken the appropriate ovals on your registration folder.

Since we could not list all possible occupations and programs of study, you may not be able to find an exact description of the one you plan to enter. If that is so, you may choose a general area - for example, 100 (Agricultural Fields), 200 (Engineering Fields), 220 (Fine and Applied Arts).

If you are completely undecided about your answer to any of the following three questions, mark 000.

11. Which program of study do you plan to enter?
12. What is your first choice of occupation (vocation)?
13. Many people consider more than one occupation or vocation. What is your second choice?

LIST OF MAJORS

100 AGRICULTURE, general
101 Agricultural Business
102 Agricultural Economics
103 Agricultural and Farm Management (farming and ranching)
104 Agriculture, Forestry, and Wildlife Technologies
105 Agronomy (field crops and crop management)
106 Animal Science (husbandry)
107 Fish, Game, and Wildlife Management
108 Food Science and Technology
109 Forestry
110 Horticulture/Ornamental Horticulture
111 Natural Resources Management (soil conservation)

120 ARCHITECTURE, general
121 Architecture Technology
122 City, Community, and Regional Planning
123 Environmental Design, general
124 Interior Design

130 BIOLOGICAL SCIENCES, general
131 Biology
132 Biochemistry
133 Botany
134 Ecology
135 Microbiology
136 Zoology

140 BUSINESS AND COMMERCE, general
141 Accounting
142 Banking and Finance
143 Business Economics
144 Business Management and Administration
145 Food Marketing
146 Hotel and Restaurant Management
147 Labor and Industrial Relations
148 Office Management
149 Marketing and Purchasing (sales and retailing)
150 Real Estate and Insurance
151 Recreation and Tourism
152 Secretarial Studies
153 Transportation and Public Utilities

160 COMMUNICATIONS, general
161 Journalism
162 Radio/Television (related to broadcasting)
163 Advertising

170 COMPUTER AND INFORMATION SCIENCES, general
171 Computer Programming
172 Information Systems and Sciences
173 Systems Analysis
174 Data Processing Technology
175 Computer Operating
176 Data Systems Repair

180 EDUCATION, general
181 Agricultural Education
182 Art Education
183 Business, Commerce, and Distributive Education
184 Elementary Education
185 English Education
186 Home Economics Education
187 Industrial Arts, Vocational, Technical Education
188 Mathematics Education
189 Music Education
190 Physical Education
191 Science Education
192 Secondary Education, general
193 Social Science Education
194 Special Education
195 Speech Education

200 ENGINEERING, general
201 Aerospace, Aeronautical, and Astronautical
202 Agricultural Engineering
203 Architectural Engineering
204 Chemical Engineering
205 Civil Engineering
206 Electrical, Electronics, and Communications Engineering
207 Environmental and Ecological Engineering
208 Geological Engineering
209 Industrial and/or Management Engineering
210 Mechanical Engineering
211 Metallurgical and Materials Engineering
212 Mining and Mineral Engineering
213 Nuclear Engineering
214 Ocean Engineering
215 Petroleum Engineering

220 FINE AND APPLIED ARTS, general
221 Applied Design (ceramics, weaving, commercial art)
222 Art (painting, drawing, sculpture)
223 Art History and Appreciation
224 Dance
225 Dramatic Arts (theater arts)
226 Music (liberal arts)
227 Music (performing, composition, theory)
228 Music History and Appreciation
229 Photography, Cinematography

230 FOREIGN LANGUAGES, general
231 French
232 German
233 Italian
234 Latin
235 Spanish
236 Russian

240 HEALTH PROFESSIONS, general
241 Dentistry
242 Dental Assistant
243 Dental Hygiene
244 Dental Lab Technology
245 Environmental Health Technologies
246 Medicine
247 Medical Assistant or Medical Office Assistant
248 Medical or Laboratory Technology
249 Nursing (registered)
250 Nursing (licensed practical nurse)
251 Occupational Therapy
252 Optometry
253 Pharmacy
254 Physical Therapy
255 Public Health
256 Radiology
257 X-ray Technology
258 Surgical Technology (surgeon's assistant, etc.)
259 Veterinary Medicine

260 HOME ECONOMICS, general
261 Clothing and Textiles
262 Consumer Economics and Home Management
263 Family Relations and Child Development
264 Foods and Nutrition (including dietetics)
265 Institutional Management

270 LETTERS (Humanities), general
271 Classics
272 Comparative Literature
273 Creative Writing
274 English, general
275 Linguistics
276 Literature, English
277 Philosophy
278 Religion
279 Speech, Debate, Forensic Science

280 MATHEMATICS, general
281 Applied Mathematics
282 Statistics (mathematical and theoretical)

285 PHYSICAL SCIENCE, general
286 Astronomy
287 Chemistry
288 Earth Sciences
289 Geology
290 Oceanography
291 Physics

300 COMMUNITY SERVICE, general
301 Law Enforcement and Correction (police science)
302 Parks and Recreation Management
303 Public Administration
304 Social Work
305 Military

310 SOCIAL SCIENCES, general
311 Anthropology
312 Area Studies (American Civilization, American Studies, etc.)
313 Economics
314 Ethnic Studies (Asian Studies, Black Studies, Chicano Studies, etc.)
315 Geography
316 History
317 International Relations
318 Law (prelaw)
319 Political Science
320 Psychology
321 Sociology

330 TRADE, INDUSTRIAL, AND TECHNICAL, general
331 Agricultural Mechanics and Technology
332 Air Conditioning, Refrigeration, and Heating Technology
333 Aeronautical and Aviation Technology
334 Appliance Repair
335 Automobile Body Repair
336 Automobile Mechanics
337 Business Machine Maintenance
338 Carpentry and Construction
339 Drafting, Engineering Graphics
340 Electricity and Electronics
341 Engineering Technology—Aeronautical
342 Engineering Technology—Automotive
343 Engineering Technology—Civil
344 Engineering Technology—Industrial Manufacturing
345 Engineering Technology—Mechanical
346 Graphic Arts (printing, typesetting)
347 Heavy-Equipment Operating
348 Dry Cleaning, Laundry, and Clothing Technology
349 Industrial Arts
350 Leatherworking (shoe repair, etc.)
351 Machinework (tool and die, etc.)
352 Masonry (brick, cement, stone, etc.)
353 Metalworking
354 Plumbing and Pipefitting
355 Radio-TV Repair
356 Small-Engine Repair
357 Upholstering
358 Watch Repair and other Instrument Maintenance and Repair
359 Welding
360 Woodworking (cabinetmaking, millwork)

370 GENERAL STUDIES

(00) Undecided

14. How sure are you about your current choice of *program of study*?

I am **very sure**	1
I am **fairly sure**	2
I am **not sure**	3

15. How sure are you about your first *occupational* choice?

I am **very sure**	1
I am **fairly sure**	2
I am **not sure**	3

16. What is the highest level of education you expect to complete?

Vocational or technical program (less than 2 years)	1
Two-year college degree	2
Bachelor's degree	3
One or 2 years of graduate study (MA, MBA, etc.)	4
Professional level degree (PhD, MD, LLB or JD, etc.)	5
Other	6

17. I estimate my overall grade point average at the end of my first year in college will be

0.5-0.9 (D to D)	1
1.0-1.4 (D to C)	2
1.5-1.9 (C to C)	3
2.0-2.4 (C to B)	4
2.5-2.9 (B to B)	5
3.0-3.4 (B to B+)	6
3.5-4.0 (A to A)	7

18. I am interested in participating in ROTC, NROTC, AFROTC, etc. (Reserve Officer Training Courses)

Yes	Y
No	N

SPECIAL EDUCATIONAL NEEDS, INTERESTS, AND GOALS

Many colleges offer special assistance for the individual development of students. You may wish to seek such assistance. Please respond Y or N to *each* item.

Yes, applies to me	Y
No, does not apply to me	N

19. I need help deciding on my educational and vocational plans.
20. I need help in expressing my ideas in writing.
21. I need help in improving my reading speed and comprehension.
22. I need help in improving my study skills.
23. I need help in improving my mathematical skills.
24. I would like personal counseling.

The next questions (25-39) relate to special college programs designed for students who want and are able to pursue academic work of an enriched or accelerated nature. Please respond Y or N to *each* item.

Yes, I am interested and would like to be considered	Y
No, I am not interested	N

25. Independent study (a program of study with topics chosen by the student, approved by the college and supervised by a professor, often part of an honors program)
26. Freshman honors courses (designed to challenge academically superior students)

27. Study in a foreign country during undergraduate years in college
28. Advanced placement in English
29. Advanced placement in mathematics
30. Advanced placement in social studies
31. Advanced placement in natural sciences
32. Advanced placement in French
33. Advanced placement in German
34. Advanced placement in Spanish
35. Advanced placement in other language

Some colleges allow students to receive credit for certain courses through the use of special testing procedures. Indicate in which subject areas you would be interested in obtaining credit by examination.

36. Credit by examination in English
37. Credit by examination in mathematics
38. Credit by examination in social studies
39. Credit by examination in natural sciences

COLLEGE EXTRACURRICULAR PLANS

The next questions (40-55) list student activities you may be interested in at college. Please respond Y or N to *each* item.

Yes, I do plan to participate ..... Y
No, I do not plan to participate ..... N

40. Instrumental music
41. Vocal music
42. Student government
43. Publications (newspaper, yearbook, literary magazine)
44. Debate
45. Departmental clubs
46. Dramatics, theater
47. Religious organizations
48. Racial or ethnic organizations
49. Intramural athletics
50. Varsity athletics
51. Political organizations
52. Radio-TV
53. Fraternity or sorority
54. Special-interest groups (ski club, sailing club, judo club, card section, drill teams, etc.)
55. Campus or community service organizations

FINANCIAL AID

The next four questions ask for information about financing your college education, which will be useful to college financial aid officers. Use the responses below to answer items 56-57.

Yes, applies to me ..... Y
No, does not apply to me ..... N

56. I expect to apply for financial aid to help meet college expenses.
57. I expect to work while attending college and would like help in finding employment.
58. About how many hours per week do you plan to work during your first year of college?

None 1
1-10 2
11-20 3
21-30 4
31 or more 5

59. To plan financial aid programs for entering students, colleges need to know the financial background of their students. Please estimate as accurately as possible your family's income. (Indicate total income before taxes.)

Less than $3,000 0
$3,000 to $5,999 1
$6,000 to $7,499 2
$7,500 to $8,999 3
$9,000 to $11,999 4
$12,000 to $14,999 5
$15,000 to $19,999 6
$20,000 and over 7
I consider this information confidential 8

BACKGROUND INFORMATION

Items 60-65 request information about you and your family.

60. Which of the following best describes the community in which you live?

Farm or open country 1
Town or city of:
Less than 500 population 2
500-1,999 3
2,000-9,999 4
10,000-49,999 5
50,000-249,999 6
250,000-499,999 7
500,000-999,999 8
More than 1 million 9

61. How many brothers and sisters under 21 years of age do you have?

None 0
One 1
Two 2
Three 3
Four 4
Five 5
Six 6
Seven 7
Eight 8
Nine or more 9

62. Indicate your religious affiliation or preference.

Roman Catholic	1
Jewish	2
Protestant	3
Latter Day Saints	4
Other	5
None	6
I prefer not to respond	7

63. How far away do you live from the college you expect to attend?

Less than 10 miles	1
10-25 miles	2
26-100 miles	3
More than 100 miles	4
I have no particular college in mind yet	5

64. Is English the language most frequently spoken in your home?

Yes	Y
No	N
I prefer not to respond	0

65. Colleges often provide special educational programs and opportunities for students from particular racial or ethnic backgrounds. ACT releases this information only to those institutions that request it. If your background is listed below and you wish to identify yourself, please respond to this item. **You are not required to provide this information.**

Afro-American, Black	1
American Indian/Native American, Aleutian (Eskimo)	2
Caucasian American, White	3
Mexican American or Chicano	4
Oriental American	5
Puerto Rican or Spanish-Speaking American	6
Other	7
I prefer not to respond	8

FACTORS INFLUENCING COLLEGE CHOICE

Items 66-77 concern factors influencing your college choice.

66. I plan to attend the following type of college.

Public college or university (4-year)	1
Private college or university (4-year)	2
Public community or junior college (2-year)	3
Private junior college (2-year)	4
Vocational-technical school (2-year or less)	5
School of nursing	6

67. I plan to attend a college that is:

coeducational	1
all male	2
all female	3
no preference	4

68. In which **state** do you plan to attend college? If you have not decided yet, indicate your preference. You may indicate up to five states in order of preference. Use the state code list on page 1 of your registration folder.

69. I plan to attend a college with a maximum annual tuition of (Do not include room and board.)

$500	1
$1,000	2
$1,500	3
$2,000	4
$2,500	5
$3,000	6
$3,500	7
$4,000	8
No preference	9

70. The size of the student body of the college I plan to attend is:

Small (under 1,000 students)	1
Medium (1,000 to 5,000 students)	2
Large (5,000 to 10,000 students)	3
Very large (10,000 students and over)	4

In selecting a college, how important to you are (were) the following factors? Please rank items 71-77 by assigning a 1 to the most important one, 2 to the next most important, and so on. Do *not* assign the same rank to more than one item. If you wish to omit one or more items, you may.

71. Type of institution (private, public, 4-year, 2-year)

72. Male/female composition of student body (for example, all male, all female, coeducational)

73. Location (state or region)

74. Tuition, cost

75. Size of enrollment

76. Field of study (major, curriculum)

77. A factor other than those listed above

1974-75 ACT STUDENT PROFILE REPORT

PART II

HIGH SCHOOL INFORMATION

Items 78-177 concern information about your high school education and activities.

78. The high school from which I will (did) graduate can be best described as a:

public high school	1
Catholic high school	2
private, independent school	3
private, denominational school	4
military school	5
other	6

79. The number of students in my high school graduating class is (was):

fewer than 25	1
25-99	2
100-199	3
200-399	4
400-599	5
600-899	6
900 or more	7

80. The percentage of students in my high school are (were) of racial background similar to mine is (was)

10% or less	1
between 10% and 25%	2
between 25% and 50%	3
between 50% and 75%	4
between 75% and 90%	5
90% or more	6

81. My class rank in high school is (was) (If you are not sure, give your best estimate.)

top quarter	1
second quarter	2
third quarter	3
fourth quarter	4

82. My overall high school average is (was)

D- to D (0.5-0.9)	1
D to C (1.0-1.4)	2
C- to C (1.5-1.9)	3
C to B- (2.0-2.4)	4
B- to B (2.5-2.9)	5
B to B+ (3.0-3.4)	6
A- to A (3.5-4.0)	7

83. I would describe my high school curriculum or program as

business or commercial	1
vocational-occupational	2
college preparatory	3
other or general	4

Years Certain Subjects Studied
(Grades 9-12)

Items 84-93 concern the number of years you will have studied certain subjects by the time you graduate (or have studied, if you have graduated) from high school. Use the responses below to answer *all* the items in this group.

Half-year	1
One year	2
One and a half years	3
Two years	4
Two and a half years	5
Three years	6
Three and a half years	7
Four years or more	8
I did not take any courses in the subject	9

84. English
85. Mathematics
86. Social studies (history, civics, geography, economics)
87. Natural sciences (biology, chemistry, physics)
88. Foreign language (Spanish)
89. Foreign language (German)
90. Foreign language (French)
91. Foreign language (other)
92. Business or commercial
93. Vocational-occupational

Advanced Placement, Accelerated or Honors Courses

While in high school, I was enrolled in advanced placement, accelerated or honors courses in the following areas. Use the responses below to answer all the items in this group.

Yes	Y
No	N

94. English
95. Mathematics
96. Social studies
97. Natural sciences
98. Foreign language

HIGH SCHOOL EXTRACURRICULAR ACTIVITIES

Items 99-114 list student extracurricular activities. Please answer Y or N to *each* item on the list.

Yes, I participated in this activity	Y
No, I did not participate in this activity	N

99. Instrumental music (band, orchestra)
100. Vocal music
101. Student government
102. Publications (newspaper, yearbook, literary magazine)
103. Debate
104. Departmental clubs (science club, math club, etc.)
105. Dramatics, theater
106. Religious organizations
107. Racial or ethnic organizations
108. Intramural athletics
109. Varsity athletics
110. Political organizations
111. Radio-TV
112. Fraternity, sorority, or other social clubs
113. Special interest groups (ski club, sailing club, judo club, card section, drill teams, etc.)
114. School or community service organizations

OUT-OF-CLASS ACCOMPLISHMENTS

Items 115-177 deal with your high school out-of-class accomplishments. Please respond Y or N to *each* item.

Yes, applies to me	Y
No, does not apply to me	N

Leadership

115. Was appointed to a student office
116. Actively campaigned to elect myself or another student to a school office
117. Organized a school political group or campaign
118. Participated in a nonschool political campaign
119. Participated in a student movement to change institutional rules, procedures, or policies
120. Was elected to one or more student offices
121. Received an award or special recognition for leadership (of any kind)

Music

122. Composed music
123. Performed with a professional musical group (orchestra, band, choral group)
124. Performed in a school musical group
125. Gave a public recital (individual or group)
126. Played a musical instrument
127. Received a superior rating in a state music contest
128. Participated in a state music contest

Speech

129. Placed first, second, or third in a regional or state speech or debate contest
130. Entered a school speech or debate contest
131. Had substantial roles in high school or church-sponsored plays
132. Gave a speech recital
133. Had roles in plays (not high school or church-sponsored)
134. Appeared on radio or TV as a performer
135. Read for a part in a high school play

Art

136. Finished a work of art (painting, ceramics, sculpture, etc.) on my own (not as part of a course)
137. Exhibited a work of art at my school
138. Exhibited a work of art in a statewide or regional show
139. Exhibited a work of art in a city or county art show
140. Won a prize or award in an art competition at my high school
141. Won a prize or award in a city, county, or state artistic competition
142. Had photographs, drawings, or other artwork published in a public newspaper or magazine

Writing

143. Worked on the staff of a school paper or yearbook
144. Had poems, stories, essays, or articles published in a school publication
145. Wrote an original but unpublished piece of creative writing on my own (not as part of a course)
146. Had poems, stories, or articles published in a public newspaper or magazine (not school paper) or in a state or national high school anthology
147. Won literary award or prize for creative writing
148. Had a work of creative writing published in a public magazine or book
149. Had a work of creative writing published in a school literary magazine or newspaper

Science

150. Wrote an independent paper on a scientific topic which received the highest possible grade given in my school
151. Performed an independent scientific experiment (not as part of a course)
152. Participated in a National Science Foundation summer program for high school students
153. Won a prize or award (of any kind) for scientific work or study
154. Placed first, second, or third in a regional or state science contest
155. Placed first, second, or third in a school science contest
156. Participated in a scientific contest or talent search

Athletics

157. Participated in one or more varsity athletic team events (football, basketball, baseball, etc.) while attending high school
158. Earned a varsity letter in one or more sports in high school
159. Was appointed or elected cheerleader or captain of a varsity team in high school
160. Received all-city, league, county, or state team award (including honorable mention)
161. Participated in an organized athletic competition outside high school
162. Participated in two or more individual athletic activities (tennis, swimming, bowling, skiing, golf, etc.)
163. Attended athletic events regularly

Community Service

164. Won recognition or an award for a club or organization activity (FFA, FHA, 4-H, Scouting, Boys' Club, Girls' Club)
165. Taught in a church or synagogue, or led a religious service on a regular basis
166. Worked as a volunteer aid in a hospital, clinic, or home
167. Was active in programs which helped my community or neighborhood develop pride in itself
168. Participated in a program to assist children or adults who were handicapped mentally, physically, educationally, or economically
169. Worked as a volunteer on a civic improvement project or in a voter education project
170. Received an award or recognition for any kind of community service

Work Experience

171. Held a regular part-time job (e.g., waitress, sales clerk, newspaper carrier, etc.)
172. Held a full-time paying job during the summer
173. Earned money by selling goods or services
174. Participated in a work-study, distributive education, or cooperative work program while enrolled in high school
175. Started my own business or service
176. Supervised the work of others
177. Managed the financial affairs of some organization

Items 178-188 ask you to rate certain aspects of your high school. Your name will not be identified with your responses. Only a group report without names will be sent to your high school. Please try to be both frank and fair; answer in terms of *your own experience or observations* and not in terms of what you may have heard from other students. Use the following scale:

Satisfied, no change necessary	1
No strong feelings one way or the other	2
Dissatisfied, improvement is needed	3
No experience with this aspect of the school	4

178. Classroom instruction
179. Number and variety of course offerings
180. Grading practices and policies
181. Number and kinds of tests given
182. Guidance services
183. School rules, regulations, and policies
184. Library or learning center
185. Laboratory facilities
186. Provision for students needing special assistance in improving skills in reading, math, etc.
187. Provision for academically outstanding students (e.g., honors programs, accelerated courses, etc.)
188. Adequacy of programs in career education and planning
189. How adequate do you feel your high school education has been (was)?

Very inadequate	1
Below average	2
Average	3
Good	4
Excellent	5

RELEASE OF STUDENT DATA

ACT will release your ACT report only according to your instructions. However, we also want to help you communicate with colleges and scholarship agencies about programs and opportunities in which you may be interested. Therefore, please read the two statements below and mark your response to each of them either Y (Yes) or N (No).

190. Colleges and other educational institutions and agencies may ask ACT to *inform you* about educational opportunities or programs they offer which seem to match your interests and needs.

Do you wish ACT to inform you about such programs?

Yes, I would like to receive such information	Y
No, I do not wish to receive such information	N

191. Colleges and other educational institutions or agencies (for example, state scholarship agencies) may ask us to *send your ACT record to them* so they can contact you directly about educational opportunities, programs, or benefits they offer that seem to match your interests and needs.

Do you authorize ACT to send your ACT record to such institutions?

Yes, I authorize ACT to release my ACT record	Y
No, I do not authorize ACT to release my record	N

Appendix C

ACCURACY OF THE NORMS

The norms in this report are estimates derived from a sample survey of the population of freshmen who took the ACT Assessment and who enrolled in colleges participating in the Class Profile Service. Two kinds of errors can occur in making estimates from a sample survey—sampling errors and nonsampling errors. Sampling errors occur because only a portion of the population is surveyed, rather than all of it. Nonsampling errors are those that would occur in a census of the population, as well as in a sample. The accuracy of the survey result is determined by the joint effects of both these kinds of errors.

Nonsampling Errors in This Survey

Nonsampling errors arise from many sources, e.g., coverage errors, inability to obtain information about all cases in the sample, respondents' inability or unwillingness to provide correct information, mistakes in recording or coding the data, and processing errors. These errors are discussed below in the context of this survey.

The sample for the student subgroups in this study was drawn from a population of approximately 1,490 fewer people than the entire 452,310 member Class Profile population. The individuals omitted from the sample are enrolled in colleges that required special processing using out-of-range college codes. Because such a small portion of the population is omitted, however, the effect of this coverage error on the norms is insignificant.

Some students who take the ACT Assessment do not have their scores sent to a college; instead, the colleges learn about them through high school transcripts. Colleges are allowed to include these students in their Class Profile Reports through the "Added Student Option," but not all colleges elect to do so. Hence, a certain segment of the freshman population is excluded from this study. The number of such students is determined by local institutional policies, and the overall effect of this omission on the norms is not known.

Since 1974, ACT has offered colleges three options for testing students residually: They could administer to their students the standard ACT Assessment; they could administer only the SPS and ACT Interest Inventory; or they could administer only the four tests of educational development. Colleges that choose the third option are offered

the further option of either including their residually-tested students in Class Profile or excluding them. This procedure resulted in about 26,500 students participating in the 1975-76 Class Profile for whom no SPS information was available. Thus, the SPS norms in Chapter 3 are based on a smaller sample than the ACT score and high school grade norms in Chapter 2. In years past, students who tested late or residually have had lower ACT scores and high school grades than students who tested at other times.

SPS data are available for students who tested since 1973, but not for those who tested prior to that time. These students, of course, tend to be older than those who have tested more recently.

In registering for the ACT Assessment, some students do not report their high school grades. Thus, the high school grade norms in this study are based on an incomplete sample. Although it is difficult to say what their grades would have been had all students supplied this information, the overall rate of nonresponse is low enough (less than 5%) that any resulting bias is not likely to be significant.

ACT requires at least three high school grades in order to compute the high school average. This policy results in a 10% nonresponse rate for high school average. Natural Science is the area most frequently not included in the high school average.

Because high school grades in the ACT Assessment are student-reported, their accuracy must be examined. In a comprehensive study by Maxey and Ormsby[1] a random sample of students was selected from 143 high schools chosen to be representative with respect to geographic region, size, and urban-rural characteristics. Information was then collected from 5,775 ACT-tested students in 134 of the schools. Maxey and Ormsby found that on the average, 78% of the students reported their grades accurately to within one letter. About 16% of the students overrepresented a grade by one letter or more and about 6% underrepresented a grade by one letter or more. Assuming the same pattern has been maintained since 1971, we can conclude that the high school grade distributions in this study are less than a letter grade overstated.

College officials sometimes mark their rosters incorrectly, thus introducing another nonsampling error into this study. It is reasonable to assume, however, that these clerical errors are made randomly with respect to any quantity being measured by the ACT Assessment. Thus, it is not likely that a directional bias is injected into the data.

Data from the Class Profile rosters are optically scanned, with virtually no scoring error. Moreover, the computer programs used to generate the tables have been tested extensively both in

[1] E. J. Maxey and V. J. Ormsby, *The Accuracy of Self-Reported Information Collected on the ACT Test Battery: High School Grades and Items of Non-academic Achievement*, ACT Research Report No. 45 (Iowa City, Iowa: The American College Testing Program, 1971).

actual production and against data with known properties. We believe, therefore, that no significant error accrues either in conversion of the data to machine format or in the computations.

Sampling Errors[2]

Sampling errors in surveys like this occur because observations are made only on a sample of the population rather than on the entire population. The particular sample used in this survey is one of a large number of all possible samples of the same design that could have been selected; norms derived from the different samples would differ from each other.

The standard error of a survey estimate is a measure of the variation among the estimates from all possible samples that could result from a particular survey design. It is thus a measure of the precision of the survey estimate: in general, the smaller the standard error, the more precise that estimate is. It is possible to estimate the standard error for a survey estimate from the data. Thus, not only can one estimate some attribute of the population, but one can also estimate the precision involved in doing so.

As calculated for this report, the estimated standard error also partially measures the effect of some nonsampling errors. It does not, however, measure the biasing effects of nonsampling errors. Bias is the difference, averaged over all possible samples of a given design, between the estimate and the desire value. The accuracy of a survey estimate depends on both the sampling and nonsampling errors measured by the standard error, and the bias not measured by it.

The sample estimate and its estimated standard error permit one to construct interval estimates with prescribed confidence that the interval includes the average result of all possible samples of a given design. (This average result is equal to the quantity being estimated plus the bias in the estimation.) To illustrate, if all possible samples of a given design were selected, each surveyed under essentially the same conditions, and an estimate and the associated estimated standard error were calculated from each sample, then approximately two-thirds of the intervals from one standard error below the estimate to one standard error above the estimate would include the average value of all possible samples. An interval estimate from one standard error below the estimate to one standard error above the estimate is called a two-thirds confidence interval.

The average value of all possible samples of a given design may or may not be contained in any particular computed interval. But for a particular sample, one can say with specified confidence that the average of all possible samples is included in the constructed interval.

In Table C.1 is listed the half-width of a two-thirds confidence interval (that is, the standard error) for several values of the sample size (N) and the proportion

[2]Part of this discussion is adapted from "Standards for Discussion and Presentation of Errors in Survey and Census Data," by Gonzales, Ogus, Shapiro, and Tepping. *Journal of the American Statistical Association*, 70, No. 351, Part II.

being estimated (p). The following example shows how to use this table. According to Table 2.2 an estimated 50% of all students in the Class Profile population enrolled in 2-year colleges scored 15 or less on the ACT mathematics test. The sample size for this estimate is 12,433. From Table C.1, the estimated standard error for this estimate is between .003 and .005; approximate it by .004. Thus, a two-thirds confidence interval for the proportion of 2-year college students in the Class Profile population who scored 15 or less on the ACT mathematics test is approximately .05 ± .004, that is, .496 to .504.

Note that the standard errors are symmetric about p=.50; thus, for any given sample size, the standard error corresponding to an estimated proportion of .40 is the same as that for .60; the same consideration applies to estimated proportions of .30 and .70, .20 and .80, etc.

Observe also that the standard error for a proportion p is a function of both p and the sample size N. In general, the standard error decreases as N increases or as p approaches 0 or 1. In other words, the larger the sample or the more extreme the true value of p, the more precision there is in estimating p.

The entries in Table C.1 are based on "simple random sampling," which would correspond to putting in a hat the names of all the students in a Class Profile subgroup, mixing the contents of the hat, and selecting a 10% sample. The sampling procedure actually used in this study corresponds more closely to drawing simple random samples from *each school separately*, with the sample size proportional to school size. Due to differences among the schools, this latter method actually yields more precise estimates; thus, the standard errors in Table C.1 are upper bounds. In other words, the precision of the estimates is better than indicated in Table C.1.

The above statement needs to be qualified somewhat. Unlike the sample sizes for norms based on college characteristics (such as region, control, and type), the sample sizes for norms based on student characteristics (such as sex, race, and age) are not fixed from sample to sample: another sample taken in the same way as this one would result in the same number of students for the norms based on college characteristics, but might very well result in a different number of males, females, blacks, etc. The effect of this extra source of variation is to decrease the precision of the estimates and thus increase their standard error. The exact amount of increase is unknown, but is probably quite small. Therefore, entries in Table C.1 are applicable to norms based on student characteristics, as well as college characteristics.

TABLE C.1

Estimated Standard Errors for Estimated Proportions

Sample Size N	Estimated Proportion (p)						
	.01 or .99	.05 or .95	.10 or .90	.20 or .80	.30 or .70	.40 or .60	.50
50,000	*	.001	.001	.002	.002	.002	.002
40,000	*	.001	.001	.002	.002	.002	.002
30,000	.001	.001	.002	.002	.003	.003	.003
20,000	.001	.001	.002	.003	.003	.003	.003
10,000	.001	.002	.003	.004	.004	.005	.005
9,000	.001	.002	.003	.004	.005	.005	.005
8,000	.001	.002	.003	.004	.005	.005	.005
7,000	.001	.002	.003	.005	.005	.006	.006
6,000	.001	.003	.004	.005	.006	.006	.006
5,000	.001	.003	.004	.005	.006	.007	.007
4,000	.001	.003	.005	.006	.007	.007	.008
3,000	.002	.004	.005	.007	.008	.008	.009
2,000	.002	.005	.006	.008	.010	.010	.011
1,000	.003	.007	.009	.012	.014	.015	.015
900	.003	.007	.009	.013	.014	.015	.016
800	.003	.007	.010	.013	.015	.016	.017
700	.004	.008	.011	.014	.016	.018	.018
600	.004	.008	.012	.015	.018	.019	.019
500	.004	.009	.013	.017	.019	.021	.021
400	.005	.010	.014	.019	.022	.023	.024
300	.005	.012	.016	.022	.025	.027	.027
200	.007	.015	.020	.027	.031	.033	.034
100	.009	.021	.028	.038	.043	.046	.047

* Denotes standard error less than .0005

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The professional staff of The American College Testing Program is pleased to consult with educators to improve the interpretation and uses of ACT information and services. Addresses and telephone numbers of the ACT Regional Offices are given below.

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